



# Government Gazette

OF

## WESTERN AUSTRALIA.

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No. 4.]

PERTH : FRIDAY, JANUARY 26.

[1945.

The Land Act, 1933-1939.

### PROCLAMATION (Resumption)

WESTERN AUSTRALIA, } By His Excellency Sir James Mitchell,  
TO WIT. } K.C.M.G., Lieutenant-Governor in and  
JAMES MITCHELL, } over the State of Western Australia  
Lieutenant-Governor. } and its Dependencies in the Common-  
[L.S.] } wealth of Australia.

Corr. No. 1491/41.

WHEREAS by section 11 of the Land Act, 1933-1939, the Governor may resume, for any of the purposes specified in section 29 of the said Act, any portion of land held as a conditional purchase lease; and whereas it is deemed expedient that the portion of Conditional Purchase Lease 10889/68 (Avon Location 9698), as described hereunder, should be resumed for the purposes specified in paragraph f of section 29 of the said Act, that is to say, for Schoolsite: Now, therefore I, Sir James Mitchell, Lieutenant-Governor as aforesaid, with the advice of the Executive Council, do by this my Proclamation resume portion of Conditional Purchase Lease 10889/68 (Avon Location 9698), for the purpose aforesaid.

#### Schedule.

That portion of Conditional Purchase Lease 10889/68 (Avon Location 9698), being portion of the area surveyed and shown on diagram 59872 as Avon Location 27041, containing 5 acres 0 roods 1 perch. (Plan 343B/40, D2.)

Given under my hand and the Public Seal of the said State, at Perth, this 11th day of January, 1945.

By His Excellency's Command,

F. J. S. WISE, Minister for Lands.

GOD SAVE THE KING ! ! !

AT a meeting of the Executive Council held in the Executive Council Chamber at Perth, this 28th day of December, 1944, the following Order in Council was authorised to be issued:—

The Land Act, 1933-1939.

### ORDER IN COUNCIL.

Corr. No. 700/13.

WHEREAS by section 34 of the Land Act, 1933-1939, it is made lawful for the Governor, by order in Council, without issuing any deed of grant, to place any reserve under the control of any municipality, road board, or other person or persons, as a board of management, and to empower such board to make, repeal, and alter by-laws for the control and management of such reserves, and prescribe fees for depasturing thereon, and for other purposes, such by-laws to be approved by the Governor and published in the *Government Gazette*; and whereas it is deemed expedient that reserve 17392 for Park at Gnowangerup should be placed under the control of the Gnowangerup Road Board as a board of management: Now, therefore, His Excellency the Lieutenant-Governor, by and with the advice and consent of the Executive Council, doth hereby place the before-mentioned reserve under the control of the Gnowangerup Road Board as a board of management, and doth empower such board to make, repeal, or alter by-laws for the control and management of the said reserve; for prescribing fees for depasturing thereon, for directing the manner in which such fees shall be imposed, paid, collected and disposed of, and to impose penalties not exceeding in any case £5 for any breach thereof, and £2 a day for a continuing breach, but not more than £20 in the aggregate.

R. H. DOIG, Acting Clerk of the Council.

Premier's Office,  
Perth, 24th January, 1945.

IT is hereby notified, for public information, that His Excellency the Lieutenant-Governor has approved of the Honourable W. H. Kitson, M.L.C., acting as Minister for Lands and the Honourable A. A. M. Coverley, M.L.A., acting as Minister for Agriculture, during the absence of the Honourable F. J. S. Wise in the Eastern States.

R. H. DOIG, Acting Secretary Premier's Office.

#### JUSTICES OF THE PEACE.

Premier's Office,  
Perth, 26th January, 1945.

HIS Excellency the Lieutenant-Governor in Executive Council has been pleased to approve of the appointment of Jack Percival Inglis, Esquire, of 83 South crescent, Bayswater, as a Justice of the Peace for the Perth Magisterial District.

#### EX OFFICIO JUSTICE OF THE PEACE.

IT is hereby notified, for public information, that Tom Lodge Hollings, Esquire, Chairman of the Denmark Road Board, has been appointed, under section 9 of the Justices Act, 1902-1936, as a Justice of the Peace for the Stirling Magisterial District, during his term of office as Chairman of the Board.

R. H. DOIG, Acting Secretary Premier's Office.

#### FARMERS' DEBTS ADJUSTMENT ACT, 1930-1934.

NOTICE is hereby given that the following Stay Order has been issued in accordance with section 7, subsection 1 of the Farmers' Debts Adjustment Act, 1930-1934, which reads as follows:—

A Stay Order shall direct that no action, execution, distress for rent, proceedings on default for breach of covenant under any mortgage or other security for money, or under an agreement for sale and purchase of lands, or other process of proceedings, shall be commenced or proceeded with or put in force against the farmer, or any of the farmer's assets whether utilised in connection with or forming portion of the assets comprised in his farming business or not during the operation of such Stay Order; provided that by leave of a judge any action may, notwithstanding the Stay Order, be instituted and/or carried on against the farmer but not beyond judgment.

Granted under section 11 (Writing Down or Suspension of Debts).

Farmer's Name, Address and Date.

Jones, William Henry; Kojonup; 16th January, 1945.

All claims against the farmer to be forwarded to the Deputy Director, Temple Court, William street, Perth.  
23/1/45.

E. H. FAUCKNER.

#### THE AUDIT ACT, 1904.

The Treasury,  
Perth, 23rd January, 1945.

THE following appointments, etc., have been approved:—  
Receivers of Revenue: Trsy. No. 29/45—Miss J. Hutchinson for the Department of Public Works, as from the 15th January, 1945. Trsy. No. 16/39—Mr. H. R. Connolly for the Workers' Homes Board at Boyup Brook. Trsy. No. 29/45—Mr. J. Robertson for the Water Supply Department at Westonia, is hereby cancelled.

A. J. REIL, Under Treasurer.

#### COMMISSIONER OF PUBLIC HEALTH, PERTH, WESTERN AUSTRALIA.

APPLICATIONS are invited under the State Public Service Act for the above position.

Applicants must be legally qualified medical practitioners, and should possess a D.P.H. or its equivalent.

The Department, in addition to the usual public health functions, controls the management of 25 Government Hospitals, and supervision of 60 other hospitals, the Homes for the Aged and Infirm and direction of State Medical Services. The Commissioner is the Professional Head of these activities.

Salary range £1,180 to £1,300 plus basic wage adjustment, which at 1st December is £60. Further information may be obtained on enquiry.

Applications stating age, qualifications and experience, close with the undersigned at Perth on February 23rd.

GEO. W. SIMPSON, Public Service Commissioner.

#### PUBLIC SERVICE ACT, 1904.

Public Service Commissioner.

Premier's Office,  
Perth, 10th January, 1945.

APPLICATIONS are invited for the position of Public Service Commissioner. Applications are to be addressed to the Premier and must be received at the Premier's Office, Perth, on or before Friday, 9th February, 1945.

The appointment will be made subject to the condition that if, during the term of office, the Public Service Act is amended by the constitution of a Board of Commissioners, or a change in the status of the Commissioner, no claim for compensation on the ground of abolition of office or in respect of such altered status will be considered; but accrued pension rights under the Superannuation Act will not be prejudiced.

J. WILLCOCK, Premier.

#### VACANCIES IN THE PUBLIC SERVICE.

Department.	Position.	Salary.	Date Returnable.
Treasury ... ..	Clerks (Items 17, 18, and 21) ... ..	Class 8, £318—£330	1945. 27th January
Lands and Surveys ... ..	Clerk in Charge, Correspondence (Item 318) ... ..	Class 7, £342—£366	do.
Do. do. ... ..	Clerk (Item 388) ... ..	Class 7, £342—£366	do.
Labour ... ..	Assistant to Secretary (Item 1152)* ... ..	Class 7, £342—£366	do.
Treasury ... ..	Clerk, Government Stores Branch (Item 100) † ... ..	Class 10, £279—£288	2nd February.
Audit ... ..	Chief Inspector ... ..	Class 1, £666—£699	do.
Police Department ... ..	Clerk in Charge, Records (Item 717) ... ..	Class 7, £342—£366	3rd February.
Public Works Department ... ..	Clerk (Item 891) ... ..	Class 8, £318—£330	do.

\* The successful applicant will be required to act as an understudy to the present occupant until 31st March next.

† Applications are also called under section 29. A knowledge of hardware is essential.

Applications are called under section 38 of the Public Service Act, 1904, and are to be addressed to the Public Service Commissioner and should be made on the prescribed form, obtainable from the offices of the various Permanent Heads of Departments.

GEO. W. SIMPSON, Public Service Commissioner.

## PUBLIC SERVICE EXAMINATIONS--DECEMBER, 1944.

## Promotional Examination.

Possible marks—300 in each subject. Pass 180.

Note.—To secure a pass in Typewriting, candidates are required to obtain 50 per cent. in the Tabulating section.

Distinguishing No., Name, Handwriting, English, Shorthand, Typewriting (Speed and Confused Manuscript, Tabulating, Total), Grand Total.

List of successful candidates (Shorthand Section), placed in order of merit:—

18; Keegan, P. J.; 220; 231; 292; 169; 55; 224; 977.  
 26; Rothwell, K. D.; 200; 180; 289; 186; 60; 246; 915.  
 20; McSwain, D. G.; 205; 181; 275; 186; 56; 242; 903.  
 28; Sullivan, M. T.; 215; 212; 209; 191; 52; 243; 879.  
 8; Chauncy, M. P.; 210; 180; 194; 167; 52; 219; 803.  
 10; Fry, H. M.; 180; exempt; 239; 176; 71; 247; 666.  
 7; Cavanagh, J.; —; —; 287; —; —; —; —.  
 13; Higgins, A. M.; —; —; 277; —; —; —; —.  
 29; Webb, N. J.; —; —; 261; —; —; —; —.  
 14; Hooper, B. F.; —; 180; —; —; —; —; —.

List of unsuccessful candidates placed in order of merit:—

12; —; 245; 211; 270; 184; 38; 222; 958.  
 33; —; 235; 169; 253; 180; 91; 271; 928.  
 3; —; 190; 221; 286; 168; 33; 201; 898.  
 23; —; 205; 150; 281; 192; 53; 245; 881.  
 9; —; 230; 168; 185; 183; 80; 263; 846.  
 5; —; 217; 170; 223; 178; 51; 229; 839.  
 21; —; 220; 182; 50; 196; 90; 286; 738.  
 24; —; 215; 182; 125; 162; 55; 217; 739.  
 25; —; 195; 174; 96; 156; 64; 220; 685.

List of successful candidates (Machinists' Section), placed in order of merit:—

Note.—To secure a pass, candidates are required to obtain 60 per cent. of the marks allotted to Ledger-posting paper, and 50 per cent. in the Tabulating section of the Typewriting paper.

Distinguishing No., Name, Bookkeeping, Typewriting (Speed and Confused Manuscript, Tabulating, Total), Ledger Posting, Grand Total.

List of successful candidates (Machinists' Section), placed in order of merit:—

15; Hutton, H. M.; 233; 160; 50; 210; 275; 728.  
 17; James, D. B.; 204; 163; 60; 223; 279; 706.  
 11; Gibson, A. D.; 196; 138; 55; 193; 263; 652.  
 27; Stokes, I. M.; 193; 169; 67; 236; 212; 641.  
 22; Pierpoint, M. E.; exempt; 165; 52; 217; 223; 440.  
 1; Adams, B. J.; —; —; —; —; 260; —.  
 4; Boylan, I. P.; 254; —; —; —; —; —.

List of unsuccessful candidates placed in order of merit:—

19; —; 75; 177; 80; 257; 240; 572.  
 2; —; exempt; 125; 33; 158; 239 397.  
 6; —; 136; 168; 59; 167; 68; 371.

List of successful candidates (Bookkeeping Section), placed in order of merit:—

Distinguishing No., Name, Handwriting, English, Tabulating, Bookkeeping, Typewriting, Total.

30; Whitworth, A. R.; 230; 204; 240; 196; 237; 1107.  
 16; Idle, G. A.; —; —; —; —; 190; —.

## Machinists' Efficiency Examination.

Distinguishing No., Name, Bookkeeping, Ledger Posting, Total.

32; Rail, J. L.; 239; 212; 451.

## Typists' Efficiency Examination.

Distinguishing No., Shorthand, Typewriting (words per minute).

31; 25; 29.4.

## OPTOMETRISTS ACT, 1940.

LIST of Registered Optometrists, published in accordance with section 25 of the Optometrists Act, 1940:—

Name.	Address.	Date of Registration.	Qualification.
Avenell, Francis William ...	Collie ... ..	May 29, 1941	Admitted under section 34 (b), the Optometrists Act, 1940.
Bance, William Cecil ...	44 Gallipoli street, Victoria Park	July 11, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Bennett, Arthur Ernest ...	Boan's Optical Rooms, Perth	July 11, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Bingemann, Roy Henry ...	W.A. Apothecaries Coy. Ltd., Perth	July 24, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Birmingham, Brian ...	Messrs. Caris Bros., Ltd., Hay street, Perth	July 11, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Buckeridge, Richard Leonard	263 Murray street, Perth ...	July 3, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Buckeridge, Walter ...	263 Murray street, Perth ...	July 3, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Castle, Donald Thomas ...	263 Murray Street, Perth ...	July 24, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Chapman, Vernon Leslie ...	c/o A. C. Gaddes, 157 Elizabeth street, Melbourne, Victoria	July 11, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Cook, Theophilus Charles ...	36 Keane street, Cottesloe ...	July 11, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Dadd, John William Ronald	399 Wellington street, Perth	May 29, 1941	Admitted under section 34 (b), the Optometrists Act, 1940.
Dallimore, George Henry ...	449 Newcastle street, West Perth	July 24, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Dannell, Carl Sigfred Arthur ...	16 Plaza arcade, Perth ...	July 3, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Dunkerton, Jasper Lavington	40 Market street, Fremantle	July 24, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Dunkerton, Joseph William ...	40 Market street, Fremantle	July 24, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Efford, William Charles Samuel	Vincent street, Beverley ...	July 10, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Eimer, Laurance Charles ...	23 Dumbarton crescent, Mt. Lawley	July 24, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.

LIST OF REGISTERED OPTOMETRISTS—*continued*.

Name.	Address.	Date of Registration.	Qualification.
Elliott, John Charles ...	12 Piccadilly arcade, Perth	July 3, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Fist, Gordon John William ...	Associated Opticians Co., Central arcade, Perth	July 8, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Frost, Sydney Herbert Peyton	121 Murray street, Perth ...	May 29, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Gaddes, Andrew Calvert ...	157 Elizabeth street, Melbourne, Victoria	July 11, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Glick, Victor Mark ...	Messrs. Caris Bros., Ltd., Hay street, Perth	July 11, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Harrison, Herbert ...	361 Barker road, Subiaco ...	July 3, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Healy, Richard John ...	147 Canning highway, South Perth	July 24, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Holzman, Morice ...	3 Dangan street, Perth ...	July 24, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Hutchinson, William Allan ...	135 Oxford street, Leederville	July 24, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Ick, Francis Harcourt ...	York street, Albany ...	July 3, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Kelly, John Hugh ...	36 Wellington street, Bunbury	July 10, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Knapp, Harry Randolph ...	12 Atwell arcade, Fremantle	July 3, 1941 ...	Admitted under section 34 (c), the Optometrists Act, 1940.
Knapp, Karl ...	29 Barrack street, Perth ...	May 29, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Leighton, Harry Marples ...	Levinson & Sons, 713-721 Hay street, Perth	July 3, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Lilleyman, Hugh James ...	Messrs. Laubman & Pank (W.A.), Ltd., 64 Barrack street, Perth	July 3, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Lobb, Vivian John ...	32 Forrest place, Perth ...	Aug. 6, 1941 ...	Admitted under section 34 (c), the Optometrists Act, 1940.
Manning, Russell Wycliffe ...	Atwell arcade, Fremantle ...	June 12, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Marchant, Ernest Francis ...	118 Marine terrace, Geraldton	July 3, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Mazey, Clarence Conroy ...	Messrs. Boans, Ltd., Perth ...	July 11, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Moffat, James ...	c/o Sainken & Sainken, 633 Hay street, Perth	July 3, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Nelson, Charles Milbank ...	32 Forrest place, Perth ...	July 10, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Owen, Charles Arthur ...	154 William street, Perth ...	July 8, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Parry, Clifford Foster ...	Mercantile Mutual Buildings, 179 St. George's terrace, Perth ...	July 11, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Rule, John McEwan ...	Messrs. Caris Bros., Ltd., Hay street, Perth	July 11, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Ryan, Martin Peter Doane ...	49 Phillip road, Nedlands ...	May 29, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Sainken, Benjamin ...	633 Hay street, Perth ...	July 3, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Sainken, Solomon ...	633 Hay street, Perth ...	July 3, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Siggs, Frank Lankester ...	George street, Pinjarra ...	July 3, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Siggs, Leonard Oliver ...	Collie ...	July 11, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Siglin, Abraham Numa ...	4 Hutt street, Mt. Lawley	July 24, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Smith, Edward Alfred Keith	c/o Mr. B., 263 Murray street, Perth	July 24, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Smith, Thomas George ...	64 Barrack street, Perth ...	May 29, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Solomon, Cora Hulda ...	494 Beaufort street, Perth...	July 24, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Wallace, Andrew ...	Perth ...	July 3, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Watts, Henry George ...	767 Beaufort street, Mt. Lawley	July 7, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Willis, Ronald Frederick ...	226 Hannan street, Kalgoorlie	July 3, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Wilson, Gershom William ...	Messrs. Laubman & Pank (W.A.), Ltd., 64 Barrack Street, Perth ...	July 3, 1941 ...	Admitted under section 34 (b), the Optometrists Act, 1940.
Wood, Thomas Arthur ...	31 Padbury Buildings, Forrest place, Perth	July 24, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Woodman, Leon ...	494 Beaufort street, Perth...	July 24, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.
Yeates, Frederick Charles Osborne	37 Barrack street, Perth ...	May 29, 1941...	Admitted under section 34 (b), the Optometrists Act, 1940.

Merthyr House, 222 St. George's terrace, Perth,  
16th January, 1945.

WYNN NEEDHAM,  
Registrar.



## THE MEDICAL BOARD OF WESTERN AUSTRALIA.

205 St. George's Terrace,  
Perth, 15th January, 1945.

IN accordance with the 13th section of the Medical Act, 1894, the following list of persons registered under that Act is published for general information.

NEILSON HANCOCK,  
Registrar.

No. and Name.	Address.	Qualifications.	Date of Registration.
701—Abbott, Arthur Gordon ...	Bunbury ...	M.B., B.S. Melb. 1922 ... ..	Jan. 7, 1925
547—Aberdeen, Kenneth George McKay	Fremantle ...	M.B., B.S. Melb. 1913 ... ..	Oct. 4, 1916
612—Abernethy, Keith Forbes ...	Kojonup ...	M.B., B.S. Melb. 1920 ... ..	Nov. 3, 1920
1064—Abrahams, Elsie Louisa ...	Melbourne ...	M.B., B.S. Melb. 1934 ... ..	April 5, 1939
207—Adams, Arthur Reginald ...	Perth ...	M.R.C.S. Eng.; L.R.C.P. Lond. 1897 ... ..	Nov. 7, 1900
1179—Ahern, Thomas Joseph ...	Perth ...	M.B., B.S. Melb. 1942 ... ..	July 10, 1942
787—Ainslie, James Percival ...	Perth ...	M.B., B.S. Melb. 1923; M.D. Melb. 1924; F.R.C.S. Eng. 1927	May 2, 1928
1041—Ambrose, Betty Rosslyn ...	Mt. Lawley ...	M.B., B.S. Adel. 1936 ... ..	July 6, 1938
1205—Ambrose, John Rosslyn ...	Military Service...	M.B., B.S. Adel. 1943 ... ..	Sept. 9, 1943
302—Ambrose, Theodore ...	Mt. Lawley ...	M.B., Ch.M. Sydney 1902 ... ..	Feb. 1, 1905
861—Anderson, Arthur Brayton...	R.A.A.F. ...	M.B., Ch.B. L'pool. 1927 ... ..	June 4, 1930
286—Anderson, Caldwell Hamilton	Romsey, Vic. ...	L.R.C.P. Lond.; M.R.C.S. Eng. 1902 ... ..	April 13, 1904
922—Anderson, Claude Leonard	A.I.F. ...	M.B., B.S. Adel. 1933 ... ..	Aug. 2, 1933
689—Anderson, Colin Warden ...	Military Service...	M.B., B.S. Melb. 1924 ... ..	Oct. 1, 1924
1116—Anderson, May ...	Perth ...	M.B., B.S. Melb. 1924 ... ..	Dec. 4, 1940
994—Anderson, Rowland Ralph...	A.I.F. ...	M.B., B.S. Melb. 1936 ... ..	Feb. 3, 1937
742—Anderson, Ruth Pearl ...	Perth ...	M.B., B.S. Melb. 1918 ... ..	Nov. 3, 1926
166—Anderson, Thomas Lynwolde	South Perth ...	M.B. Melb. 1896; M.D. Melb. 1904 ... ..	Nov. 8, 1897
1066—Andrew, Richard Roderick	A.I.F. ...	M.B., B.S. Melb. 1935 ... ..	April 5, 1939
369—Arkle, James Vere ...	Mt. Lawley ...	L.R.C.P. Lond.; M.R.C.S. Eng. 1902; F.R.C.S. Eng. 1907; M.D. Durh. 1917	Dec. 18, 1907
1090—Arndt, Edward Wilford ...	Perth ...	M.R.C.S. Eng., L.R.C.P. Lond. 1923 ... ..	Dec. 6, 1939
1227—Arnold, Arthur William Porter	Fremantle ...	M.B., B.S. Syd. 1944 ... ..	Oct. 20, 1944
1145—Atkins, Philip William ...	Perth ...	M.B., B.S. Melb. 1941 ... ..	Oct. 1, 1941
444—Atkinson, Reginald Cyril Everitt	Perth ...	M.B., Ch.B. Edin. 1906; D.P.H. Camb. 1907 ... ..	May 3, 1911
744—Baker, Frederick Harry Uther	Fremantle ...	M.B., B.S. Melb. 1925 ... ..	Nov. 3, 1926
87—Barber, George Walter ...	Kalamunda ...	M.R.C.S. Eng.; L.R.C.P. Lond. 1891 ... ..	Aug. 7, 1895
399—Barker, Gilbert William ...	Perth ...	M.B., B.S. Melb. 1908 ... ..	April 14, 1909
675—Barker, Thomas Louis ...	Redcliffs, Vic. ...	M.B., B.S. Melb. 1923 ... ..	Feb. 6, 1924
1044—Barkley, Alfred Oswald ...	Sydney ...	M.B., Ch.M. Syd. 1923 ... ..	Aug. 3, 1938
719—Barnard, Henry John Arnold	Perth ...	M.B., B.S. Melb. 1925 ... ..	Nov. 4, 1925
580—Barrack, Bruce Boyle ...	Brisbane ...	M.B. Sydney, 1918 ... ..	Sept. 3, 1919
1171—Barsden, Graeme Neil ...	R.A.A.F. ...	M.B., B.S. Melb. 1942 ... ..	June 12, 1942
625—Bassett, Richard Constantine	Adelaide ...	M.B., B.S. Melb. 1916 ... ..	May 4, 1921
589—Beamish, Francis Teulon ...	Northam ...	M.B., B.S. Melb. 1913 ... ..	Jan. 7, 1920
608—Bean, Alan Reid ...	Fremantle ...	M.B., B.S. Adel. 1917 ... ..	Nov. 3, 1920
977—Beaumont, Alan Joshua ...	Military Service...	M.B., B.S. Melb. 1935 ... ..	Jan. 8, 1936
911—Beech, Ernest Robert ...	Guildford ...	M.B., B.S. Adel. 1932; M.R.C.P. Lond. 1936	March 1, 1933
796—Bell, Malcolm Sylvester ...	Guildford ...	M.B., B.S. Melb. 1928 ... ..	June 6, 1928
699—Bennett, John Cyril ...	Nedlands ...	M.R.C.S. Eng.; L.R.C.P. Lond. 1923 ... ..	Jan. 7, 1925
442—Benson, Henry Mitchell ...	South Perth ...	M.B., C.M. Edin. 1895 ... ..	April 5, 1911
389—Bentley, James ...	Perth ...	M.B., Ch.B. Edin. 1904 ... ..	Nov. 4, 1908
1151—Bercov, Jacob ...	Claremont ...	M.B., B.S. Syd. 1941 ... ..	Nov. 5, 1941
1183—Berinshan, Hyman Solomon	Military Forces	M.B., B.S. Melb. 1942 ... ..	Oct. 9, 1942
1208—Birrell, Peter Matheson ...	Perth ...	M.B., B.S. Melb. 1944 ... ..	April 14, 1944
761—Bladen, Bryant Oswald ...	Victoria Park ...	M.B., B.S. Melb. 1924 ... ..	July 6, 1927
886—Blawett, John Erlston ...	Aberdeen, Scotland	M.B., B.S. Melb. 1924; M.D. Melb. 1931	Oct. 8, 1931
1204—Blofeld-Moody, John Arthur	Victoria Park ...	M.R.C.S. Eng. 1925; L.R.C.P. Lond. 1925; L.M.S., S.A. Lond. 1925	Sept. 10, 1943
1162—Borbridge, Eileen Veronica ...	Wooroloo ...	M.B., B.S. Melb. 1939 ... ..	Feb. 5, 1942
854—Bossence, William Adamson	Kyabram, Vic. ...	M.B., B.S. Melb. 1928 ... ..	May 7, 1930
653—Bostock, John ...	Brisbane, Q. ...	M.B., B.S. Lond. 1914 ... ..	Nov. 1, 1922
1172—Bourke, Christopher William	A.I.F. ...	M.B., B.S. Melb. 1942 ... ..	June 12, 1942
662—Bourke, Isidore McWilliam	Sydney ...	M.R.C.S. Eng.; L.R.C.P. Lond. 1901; D.P.H. Lond. 1907; F.R.C.S. Edin. 1920	Aug. 1, 1923
1069—Bowler, John Kirkpatrick ...	Military Service...	M.B., B.S. Adel. 1937 ... ..	April 5, 1939
1157—Boyd, George ...	Perth ...	L.R.C.P. & S. Edin. 1935; L.R.F.S. & P. Glasg. 1935	Jan. 7, 1942
969—Boyd, Stanley ...	Gnowangerup ...	M.R.C.S. Eng. 1911; L.R.C.P. Lond. 1911 ... ..	Sept. 11, 1935
805—Bradbury, Ronald Walter ...	Eltham, Vic. ...	M.B., B.S. Melb. 1928 ... ..	Oct. 9, 1928
791—Bradshaw, Bruce Oliver ...	Harwich, Eng. ...	M.B., B.S. Melb. 1928 ... ..	May 2, 1928
1134—Breckler, Alexander ...	Military Service...	M.B., B.S. Melb. 1941 ... ..	April 2, 1941
801—Breidahl, Harold George Daniel	Perth ...	M.B., B.S. Melb. 1918 ... ..	Sept. 5, 1928
926—Brooke-Cowden, Kenneth Laurance	North Perth ...	M.B., B.S. Adel. 1932 ... ..	Oct. 4, 1933
1194—Brown, Kenneth Barnden ...	Claremont ...	M.B., B.S. Adel. 1942 ... ..	May 14, 1943
354—Brown, William Gilbert ...	Darling Downs, Q.	M.B. Melb. 1905; B.S. Melb. 1906 ... ..	May 1, 1907
195—Browne, Dodwell ...	Bridgetown ...	M.B., B.Ch., B.A.O. Dubl. 1896 ... ..	April 4, 1900
760—Burns, Hugh Matheson ...	Perth ...	M.B., B.S. Melb. 1926 ... ..	May 4, 1927
592—Burns, Robert Edward James	Abertillery, Wales	M.B., Ch.B., Edin. 1918 ... ..	March 3, 1920
578—Burnside, Bruce ...	Dwellingup ...	M.R.C.S. Eng.; L.R.C.P. Lond. 1914	June 4, 1919
696—Bury, George Chadwell ...	Hampton, Vic. ...	M.B., B.S. Melb. 1915 ... ..	Dec. 3, 1924
199—Butler, Fred Stanley ...	Beverley ...	M.B. Melb. 1898 ... ..	July 4, 1900
764—Buttsworth, Bert Wilfred ...	Midland Junction	M.B., B.S. Melb. 1926 ... ..	Sept. 7, 1927

## LIST OF PERSONS REGISTERED UNDER THE MEDICAL ACT, 1894—continued.

No. and Name.	Address.	Qualifications.	Date of Registration.
700—Byrne, Thos. Patrick ...	Kalgoorlie ...	M.B., Ch.M. Syd. 1924 ...	Jan. 7, 1925
896—Byron, Elwood ...	Merredin ...	M.B., B.S. Melb. 1931 ...	March 2, 1932
752—Caldera, Ciro ...	Perth ...	M.D., Turin 1910 ...	Feb. 2, 1927
887—Caldwell, Wallace Edwin ...	Katanning ...	M.B., B.S. Melb. 1926 ...	Oct. 8, 1931
771—Callagher, Hugh Charles ...	Perth ...	M.B., B.S. Melb. 1926 ; F.R.C.S. Edin. 1932 ...	Oct. 12, 1927
305—Cameron, Robt. Miles Fletcher	Sydney, N.S.W.	L.R.C.P. Lond. ; M.R.C.S. Eng. 1903 ...	April 5, 1905
272—Camm, Thomas Carlyle Leichardt	Sorrento, Vic. ...	M.B., Melb. 1902 ; B.S. Melb. 1903 ...	Sept. 2, 1903
1000—Campbell, Archibald James	Melbourne, Vic.	M.B., B.S. Melb. 1935 ...	Feb. 3, 1937
423—Cantor, Stanley Jacob ...	Kew, Vic. ...	M.B., B.S. Melb. 1909 ...	Aug. 3, 1910
656—Carlile, Hildred Irving ...	Cheltenham, Vic.	M.B., B.S. Melb. 1914 ...	Feb. 7, 1923
755—Carlin, Cyril Brooke ...	Goomalling ...	M.B., B.S. Adel. 1926 ...	April 6, 1927
575—Carter, Frederick William ...	Leederville ...	M.B., Ch.B. Aberd. 1917 ...	May 7, 1919
717—Cass, Benjamin Phineas ...	Sydney ...	M.B., B.S. Melb. 1925 ...	Nov. 4, 1925
616—Cass, Namon Lewis ...	South Perth ...	M.B., B.S. Melb. 1920 ...	Dec. 1, 1920
739—Caulfield, Henry George ...	Morawa ...	M.B., B.S. Melb. 1925 ...	Nov. 3, 1926
434—Cave, Mylles Wyamarus ...	Beeac, Vic. ...	M.B., B.S. Melb. 1910 ...	Jan. 18, 1911
859—Cawley, William ...	Maylands ...	M.B., B.S. Melb. 1930 ...	June 4, 1930
555—Chambers, John Ferguson ...	Melbourne ...	M.B., B.S. Melb. 1917 ...	Nov. 7, 1917
1029—Champion, Dorothy ...	London ...	M.B., B.S. Melb. 1937 ...	Feb. 2, 1938
821—Chester, Harry Leonard ...	Northam ...	M.B., B.S. Adel. 1925 ...	April 10, 1929
628—Cheyne, William Hunter Watson	Crew-Kerne, Eng.	M.R.C.S. Eng. ; L.R.C.P. Lond. 1913 ...	June 1, 1921
1127—Christie, Archibald Frederick George Cornelius	Mt. Barker ...	M.B., B.S. Melb. 1940 ...	Feb. 5, 1941
417—Clark, Andrew ...	London ...	M.B., Ch.B. Glasg. 1898 ...	April 6, 1910
649—Clark, Frederick John ...	Perth ...	M.B., B.S. Melb. 1922 ...	Aug. 9, 1922
645—Clark, Margaret Annie ...	Lake Grace ...	M.B., B.S. Melb. 1922 ...	June 7, 1922
1070—Clarke, Alfred Murray ...	Military Service ...	M.B., B.S. Melb. 1932 ; F.R.C.S. Eng. 1938 ...	May 3, 1939
733—Clarke, Andrew Robert Fausset	Singapore ...	M.B., Ch.B. Edin. 1915 ...	June 2, 1926
559—Clarke, Eustace Herbert ...	Sydney ...	L. and L.M.R.C.S. Irel. ; L. and L.M.R.C.P. Irel. 1912	March 6, 1918
1190—Clarke, Miles de Courcy ...	Military Service ...	M.B., B.S. Adel. 1942 ...	Feb. 12, 1943
1167—Clarke, Norah Margaret ...	Perth ...	M.B., Ch.B. St. Andrews 1923 ...	March 6, 1942
581—Clay, Francis Edmund ...	North Fremantle ...	M.R.C.S. Eng. ; L.R.C.P. Lond. 1895 ...	Sept. 3, 1919
871—Clay, Leslie Edwin ...	Avoca, Vic. ...	M.B., B.S. Melb. 1929 ...	March 4, 1931
327—Cleland, John Burton ...	Adelaide, S.A. ...	M.B., Ch.M. Syd. 1900 ; M.D. Adel. 1902 ; M.D. Syd. 1902	May 2, 1906
920—Clemens, Kathleen ...	Sydney ...	M.B. Syd. 1928 ...	July 5, 1933
1188—Cocks, Edward Desmond ...	Fremantle ...	M.B., B.S. Adel. 1942 ...	Feb. 12, 1943
427—Cohen, Basil Walter ...	Mansfield, Vic. ...	M.B., B.S. Melb. 1910 ...	Oct. 5, 1910
572—Cohen, Bertram Clarence ...	Perth ...	M.B., B.S. Melb. 1918 ...	Feb. 5, 1919
1215—Cohen, Morris ...	Perth ...	M.B., B.S. Syd. 1944 ...	June 6, 1944
754—Cohney, Solomon ...	York ...	L.M.S.S.A. Lond. 1922 ...	March 2, 1927
1086—Cole, William Harold James	Military Service ...	M.B., B.S. Melb. 1937 ...	Sept. 6, 1939
950—Colebatch, John Houghton	London ...	M.B., B.S. Adel. 1933 ...	Dec. 5, 1934
745—Colquhoun, William Leslie	Ringwood, Vic.	M.B., B.S. Melb. 1924 ...	Nov. 3, 1926
1053—Connaughton, Frederick William	London ...	M.B., B.S. Melb. 1936 ...	Feb. 1, 1939
1173—Connaughton, Michael ...	Military Service ...	M.B., B.S. Melb. 1942 ...	July 10, 1942
587—Connell, Roydon Herbert Minton	Donnelly, Vic. ...	M.B., B.S. Melb. 1913 ...	Jan. 7, 1920
486—Connor, Joseph Ivan ...	Melbourne, Vic.	M.B., B.S. Melb. 1911 ...	Dec. 4, 1912
853—Cook, Cyril Edmund ...	Coolup ...	M.B., B.S. Melb. 1922 ...	May 7, 1930
1091—Cook, Harry Leigh ...	Claremont ...	M.B., B.S. Melb. 1939 ...	Jan. 3, 1940
844—Cook, Vera ...	Military Service ...	M.B., B.S. Melb. 1926 ...	Nov. 6, 1929
657—Cook, William Stanley ...	Fremantle ...	M.B., B.S. Melb. 1922 ...	March 7, 1923
831—Coope, Anthony Bridges Jesser	Esperance ...	M.B., C.M. Uni. Edin. 1892 ...	June 5, 1929
1054—Copping, Donald Edmund ...	Collie ...	M.B., B.S. Melb. 1938 ...	Feb. 1, 1939
643—Corbet, Lancelot Miller ...	London ...	M.B., B.S. Melb. 1922 ...	June 7, 1922
413—Cordner, Henry ...	Hobart, Tas. ...	M.B., B.S. Melb. 1909 ...	April 6, 1910
627—Corr, Oswald Reford ...	Military Service ...	M.B., B.S. Melb. 1921 ...	June 1, 1921
1112—Coto, John Halliday ...	London ...	M.B., B.S. Melb. 1940 ...	Oct. 2, 1940
889—Coto, Ralph Jackson ...	London ...	M.B., B.S. Melb. 1931 ...	Dec. 2, 1931
698—Cotton, Frederick William	Sydney ...	M.R.C.S. Eng. ; L.R.C.P. Lond. 1899 ...	Jan. 7, 1924
1022—Cotton, James Murray ...	Sydney ...	M.B., B.S. Adel. 1926 ; L.R.C.S. Edin. 1931 ...	Jan. 5, 1938
770—Courtney, Charles Wilson ...	Perth ...	M.B., B.S. Melb. 1923 ...	Oct. 12, 1927
560—Coutts, Milton Leonard ...	Summerhill, N.S.W.	M.B., B.S. Melb. 1917 ...	March 6, 1918
567—Cox, Frank Elton ...	Melbourne ...	M.B., B.S. Melb. 1908 ; M.R.C.S. Eng. ; L.R.C.P. Lond. 1910 ; D.P.H.R.C., P.S. Eng. 1912	Aug. 7, 1918
1097—Craddock, John Denman ...	Military Service ...	M.B., B.S. Melb. 1939 ...	Feb. 7, 1940
811—Crabbe, Gavin Murray ...	Broken Hill, N.S.W.	M.B., B.S. Adel. 1927 ...	Nov. 5, 1928
1182—Craig, John Boyd ...	R.A.A.F. ...	M.B., B.S. Melb. 1942 ...	Aug. 14, 1942
545—Craig, Stanley Earles ...	Perth ...	M.B., B.S. Melb. 1916 ...	Sept. 6, 1916
999—Creightmore, Maximilian Louis	R.A.A.F. ...	M.R.C.S. Eng. ; L.R.C.P. Lond. 1928 ...	Feb. 3, 1937
641—Crisp, Ralph Harry ...	Perth ...	M.B., B.S. Melb. 1916 ; M.D. Melb. 1921 ...	April 5, 1922
620—Crooks, Arthur Augustus ...	Elmore, Vic. ...	M.B., B.S. Melb. 1913 ...	Feb. 2, 1921
825—Crowley, Vivian George ...	Albury, N.S.W. ...	L.M.S.S.A. Lond. 1926 ...	April 10, 1929
680—Crownson, Sidney Kadish ...	Camberwell, Vic. ...	M.B., B.S. Melb. 1923 ...	April 2, 1924
481—Cullen, Alfred Edgar ...	Perth ...	M.B., B.Chir. Camb. 1912 ...	Sept. 4, 1912
370—Cumpston, John Howard Lidgett	Melbourne ...	M.B. Melb. 1902 ; B.S. Melb. 1903 ; D.P.H., R.C.P.S. Eng. 1906 ; M.D. Melb. 1907	Jan. 15, 1908
790—Cumpston, Lancelot Graham	Perth ...	M.B., B.S. Melb. 1928 ...	May 2, 1928

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No. and Name.	Address.	Qualifications.	Date of Registration.
876—Curtis, Muriel Alice ...	Cottesloe ...	M.R.C.S. Eng., L.R.C.P. Lond.; M.B., B.S. Lond. 1925	June 3, 1931
899—Cussen, Kevin Richard ...	London ...	M.B., B.S. Melb. 1930	May 4, 1932
674—Cuthbert, Noel Millar ...	Perth ...	M.B., Ch.M. Syd. 1923	Dec. 5, 1923
596—Dale, John ...	Melbourne ...	M.B., Ch.B. Birghm. 1908	May 5, 1920
1104—Dalla Torre, Giacomo ...	Perth ...	M.D., Rome 1926	March 19, 1940
868—Darbyshire, Joan ...	Melbourne ...	M.B., B.S. Melb. 1928	Nov. 5, 1930
679—Davidson, George Ronald ...	Ballarat, Vic. ...	M.B., B.S. Melb. 1923	April 2, 1924
1026—Davies, Alwyn Gerald ...	Military Service ...	M.B., B.S. Melb. 1937	Jan. 5, 1938
1139—Davies, Ellice Jean ...	Broome ...	M.B., B.S. Melb. 1915	July 2, 1941
795—Davies, Geoffrey Francis Seymour	Sydney ...	M.B., B.S. Melb. 1924	June 6, 1928
420—Davies, Muriel Kate ...	Toorak, Vic. ...	M.B. Melb. 1906; B.S. Melb. 1907	July 6, 1910
664—Davis, Albert Peter ...	A.I.F. ...	M.B., B.S. Melb. 1923	Aug. 1, 1923
939—Davis, Harold Julian ...	Boulder ...	M.B., B.S. Adel. 1927	April 4, 1934
1076—Dawkins, Alec Letts ...	A.I.F. ...	M.B., B.S. Adel. 1927; F.R.C.S. Edin. 1931; M.Ch.Orth. Liverpool 1937	June 7, 1939
727—Day, John Leonard ...	Perth ...	M.B., B.S. Melb. 1925	Feb. 3, 1926
708—Day-Lewis, Alfred Kay ...	Brisbane ...	L.R.C.P. Lond. 1919; M.R.C.S. Eng. 1919	April 1, 1925
1175—Denholm, William Herald ...	England ...	M.B., B.S. Durham 1922	July 10, 1942
1148—Dennis, Egbert ...	Perth ...	M.B., B.S. Melb. 1941	Nov. 5, 1941
1131—Denovan, Amos Edwin Botsford	Kalgoorlie ...	M.C.P. & S. Sack. Canada 1909	April 2, 1941
636—Dermer, Edmund Rupert ...	Fremantle ...	M.R.C.S. Eng.; L.R.C.P. Lond. 1914	Jan. 11, 1922
1077—Dicks, Harold Griffiths ...	Port Hedland ...	M.B., B.S. Syd. 1938	June 7, 1939
634—Donaldson, John Ralph ...	Leederville ...	M.B., B.S. Melb. 1918	Jan. 11, 1922
1062—Donnelly, Thomas Hensen ...	R.A.A.F. ...	M.B., B.S. Adel. 1937	April 5, 1939
469—Donnelly, Thomas Hugh ...	Albany ...	M.B., B.S. Adel. 1911	April 3, 1912
285—Douglas, John Campbell ...	Ballarat, Vic. ...	L.R.C.P., L.R.C.S. Edin.; L.F.P.S. Glasg. 1900	April 13, 1904
834—Dowling, Donald Augustus ...	Brisbane, Q. ...	M.B., B.S. Adel. 1923	July 3, 1929
952—Downes, Henry Erskine ...	Canberra, F.C.T. ...	M.B., B.S. Melb. 1926; D.P.H. Syd. 1930	Dec. 5, 1934
832—Downing, John ...	Norseman ...	M.B., B.Ch. Nat. Univ. Irel. 1926	June 5, 1929
1039—Drew, John Frederick Francis	Military Service	M.B., B.S. Melb. 1930	April 6, 1938
685—Dunkley, Charles Rodger ...	A.I.F. ...	M.B., B.S. Melb. 1924	June 4, 1924
1196—Early, Thomas ...	Perth ...	M.B., B.S. Melb. 1943	May 14, 1943
554—East, Edwin Charles ...	Fremantle ...	M.R.C.S. Eng.; L.R.C.P. Lond. 1910; F.R.C.S. Edin. 1913	July 4, 1917
957—Ebell, Frank Heinz ...	Military Service ...	M.B., B.S. Melb. 1935	March 6, 1935
1021—Ebsworth, John Francis ...	Melbourne ...	M.B., B.S. Melb. 1928	Dec. 1, 1937
579—Edgerton, Ellen Curtis ...	Richmond, Vic. ...	M.B., B.S. Melb. 1919	July 2, 1919
1214—Edmonds, Archibald Roy ...	Perth ...	M.B., B.S. Melb. 1942	June 9, 1944
431—Edwards, Edmond Daniel ...	Innisfail, Q. ...	M.B., B.S. Dubl. 1901	Dec. 7, 1910
938—Edwards, Karl Francis ...	Adelaide ...	M.B., B.S. Adel. 1932	April 4, 1934
1088—Einihovici, Avram ...	Corrigin ...	M.D., Pavia, Italy 1924; G.M.C. 1939	Sept. 6, 1939
1123—Elphick, Harold Robert ...	Fremantle ...	M.B., B.S. Melb. 1940	Feb. 5, 1941
815—Eppel, David ...	London ...	L.L.M., R.C.P.S. Irel. 1922	March 6, 1929
842—Eville, Violet Polyxena Austin	Kalgoorlie ...	M.B., B.S. Melb. 1928	Jan. 6, 1929
637—Fairbairn, Robert Chisholm	Cottesloe ...	L.R.C.P. Lond.; M.R.C.S. Eng. 1915; B.M., B.Ch. Oxf. 1915	Jan. 11, 1922
1049—Faragher, Erskine Christian	Melbourne ...	M.R.C.S. Eng.; L.R.C.P. Lond. 1920	Nov. 2, 1938
576—Farmer, Adrian Ward ...	A.I.F. ...	M.B., B.S. Melb. 1919	June 4, 1919
826—Farnbach, Ralph Joseph ...	Bendigo, Vic. ...	M.B., B.S. Melb. 1928	June 5, 1929
798—Ferguson, Herbert Edward Hamilton	Subiaco ...	M.B., B.S. Melb. 1928	July 4, 1928
997—Ferris, Richard Dyason ...	London ...	M.B., B.S. Melb. 1936	Feb. 3, 1937
558—Field-Martell, Harold Henry	R.A.N. Fremantle	L.R.C.P., L.R.C.S. Edin.; L.F.P.S. Glasg. 1909	Dec. 5, 1917
390—Field, Otto Albert ...	Randwick, N.S.W. ...	M.B., B.S. Melb. 1908	Dec. 2, 1908
1047—Fife, Brenda ...	Aramac, Q. ...	M.B., B.S. Birm. 1934	Sept. 7, 1938
670—Finkelstein, Samuel ...	Mt. Lawley ...	M.B., B.S. Melb. 1923	Nov. 7, 1923
1121—Finlayson, Jean Stanley ...	Sydney ...	M.B., B.S. Melb. 1939	Jan. 8, 1941
1078—Fitzgerald, William Edward	Claremont ...	M.B., B.S. Melb. 1929	June 7, 1939
1016—Fitzpatrick, Eugene Francis	Melbourne ...	M.B., B.S. Melb. 1935	Oct. 5, 1937
937—Flecker, Margaret Mabel ...	Ivanhoe, Vic. ...	M.B., B.S. Adel. 1932	Feb. 7, 1934
1125—Fleming, Donald Wallace ...	Perth ...	M.B., B.S. Melb. 1940	Feb. 5, 1941
1156—Fletcher, Edmund Francis ...	Wiluna ...	M.B., Syd. 1940	Jan. 7, 1942
906—Flynn, John Michael ...	Bunbury ...	M.B., B.S. Melb. 1932	Dec. 7, 1932
512—Forbes, Arthur Duncan ...	Nyngan, N.S.W. ...	M.B. Sydney 1913	Nov. 5, 1913
979—Ford, Edward ...	Melbourne ...	M.B., B.S. Melb. 1935	Feb. 5, 1936
262—Forshaw, Wm. Joseph ...	Camberwell, Vic. ...	M.B. Melb. 1901; B.S. Melb. 1902	May 6, 1903
905—Fortune, Cyril ...	Military Service	M.B., B.S. Melb. 1932; M.D. Melb. 1935	Nov. 2, 1932
1199—Fox, Roy Gerard ...	Perth ...	M.B., B.S. Melb. 1943	May 14, 1943
309—Franklands, Herbert William	Melbourne ...	M.B., B.S. Melb. 1904	June 7, 1905
1206—Franklin, Samuel de Vere ...	Victoria Park ...	M.B., Ch.M. Syd. 1921	April 14, 1944
642—Frayne, William Robert Geo.	Perth ...	M.B., B.S. Melb. 1922	June 7, 1922
211—Frost, Alfred James ...	Dandenong, Vic. ...	M.B., B.S. R. U. Irel. 1900	Jan. 16, 1901
944—Gallagher, William Edward	Norwood, S.A. ...	M.B., B.S. Adel. 1932	Sept. 5, 1934
840—Gallash, Frank Edward ...	A.I.F. ...	M.B., B.S. Melb. 1927	Nov. 6, 1929
772—Gawler, Douglas Reginald ...	Perth ...	B.M., B.Ch. Oxf. 1924	Oct. 12, 1927
1043—Gay, Kenneth Roy ...	Sydney ...	M.B., B.S. Syd. 1936	Aug. 3, 1938
527—Gellé, Louis Ernest Seide ...	Perth ...	M.B., B.S. Durh. 1912	Jan. 6, 1915
465—George, Isaac ...	Mandurah ...	L.S.A. Lond. 1891; M.R.C.S. Eng.; L.R.C.P. Lond. 1893; D.P.H., R.C.S. Eng. 1899	March 6, 1912
879—George, Norman Evan ...	Adelaide ...	M.B., B.S. Melb. 1931	June 3, 1939
492—George, Thomas Woodcock ...	Footscray, Vic. ...	M.B., B.S. Lond. 1910	Feb. 5, 1913
1057—Georgeff, Carl ...	North Perth ...	M.B., B.S. Melb. 1938	Feb. 1, 1939
1207—Georgeff, Nicholas Harry ...	Perth ...	M.B., B.S. Melb. 1944	April 14, 1944

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No. and Name.	Address.	Qualifications.	Date of Registration.
812—Giacone, Guglielmo ...	Perth ...	M.D. Uni. Palermo 1923 ...	Nov. 5, 1928
610—Gilbert, Chas. Wm. ...	London ...	L.R.C.P. Lond. ; M.R.C.P. Eng. 1892 ...	Nov. 3, 1920
915—Gilbert, Thomas Miles ...	Military Service	M.B., B.S. Melb. 1929 ; M.R.C.P. Lond. 1932 ...	March 1, 1933
1001—Gilchrist, Marjorie ...	Malvern, Vic. ...	M.B., B.S. Melb. 1936 ...	Feb. 3, 1937
1107—Gild, David ...	Adelaide ...	M.B., B.S. Adel. 1938 ...	May 1, 1940
466—Gill, Frank Llewellyn ...	Perth ...	M.B., Melb. 1911 ; F.R.C.S. Edin. 1925 ...	March 6, 1912
347—Gill, Hubert Baldwin ...	Perth ...	M.B., B.S. Melb. 1907 ...	Feb. 6, 1907
318—Gillespie, Leslie Thomson ...	Perth ...	M.B., Melb. 1900 ; B.S. Melb. 1901 ...	Dec. 6, 1905
850—Gillett, Bernard St. Patrick ...	A.I.F. ...	M.B., B.S. Adel. 1928 ...	March 5, 1930
531—Godby, Wm. Heiland ...	Perth ...	M.B., B.S. Melb. 1914 ...	March 3, 1915
828—Godfrey, Kirke Charles ...	Perth ...	M.B., B.S. Adel. 1914 ...	June 5, 1929
904—Godlee, Theodore ...	A.I.F. ...	M.B., B.S. Adel. 1932 ...	Aug. 3, 1932
1052—Goldman, Maurice ...	A.I.F. ...	M.B., B.S. Syd. 1938 ...	Feb. 1, 1939
487—Goldstein, Alexander ...	Sydney ...	M.B., B.S. Melb. 1911 ...	Jan. 8, 1913
877—Gollan, John Alexander ...	Sandy Bay, Tas. ...	M.B., B.S. Melb. 1931 ...	June 3, 1931
819—Gollan, Rosalie Jean ...	Perth ...	M.B., B.S. Melb. 1928 ...	April 10, 1929
779—Golledge, Kenneth Alfred ...	South Perth ...	M.B., Ch.M. Syd. 1909 ...	Feb. 2, 1928
402—Good, Robert Norman Scott ...	Geelong, Vic. ...	M.B., B.S. Melb. 1907 ...	Aug. 4, 1909
1203—Gordon, Douglas Leeuwijn ...	Perth ...	M.B., B.S. Melb. 1943 ...	Aug. 13, 1943
421—Gordon, John Edward ...	Perth ...	M.B., Ch.B. Edin. 1906 ; M.D. Edin. 1908 ...	Aug. 3, 1910
461—Gordon, Valentine Henry ...	Croydon, Eng. ...	M.B., Ch.B. Edin. 1910 ...	Feb. 7, 1912
1220—Gordon, William Ian ...	Perth ...	M.B., B.S. Melb. 1944 ...	July 14, 1944
827—Gorman, Morris O'Connell ...	Kalgoorlie ...	M.B., B.S. Melb. 1929 ...	June 5, 1929
1141—Graham, Colin Spencer ...	Sydney ...	M.B., Ch.M. Syd. 1926 ...	Aug. 6, 1941
991—Grainger, Francis Transvaal ...	Melbourne, Vic. ...	M.B., Ch.M. Syd. 1925 ...	Aug. 5, 1936
1034—Gray, Alan John ...	Perth ...	M.B., B.S. Melb. 1937 ...	March 2, 1938
176—Gray, Colin ...	Maldon, Vic. ...	M.B., Melb. 1894 ; B.S. Melb. 1895 ...	July 6, 1898
430—Gray, Herbert John ...	Perth ...	M.B., Melb. 1907 ; B.S. Melb. 1908 ...	Dec. 7, 1910
781—Gray, Keith Douglas ...	Military Service ...	M.B., B.S. Adel. 1926 ...	Feb. 2, 1928
1093—Gray, Lindsay Poplin ...	A.I.F. ...	M.B., B.S. Melb. 1939 ...	Jan. 3, 1940
1007—Gray, William Blair Christie ...	Military Service ...	M.B., B.S. Melb. 1937 ...	May 5, 1937
1074—Green, Ernest Joseph ...	Military Service ...	M.B., B.S. Melb. 1933 ...	June 7, 1939
306—Green, Frederick William ...	Malvern, Vic. ...	M.B., B.S. Melb. 1903 ...	April 5, 1906
971—Greenway, Thomas Sacheverell ...	Melbourne ...	M.R.C.S. Eng. ; L.R.C.P. Lond. 1916 ...	Nov. 6, 1935
914—Greenham, Roy Iverach ...	R.A.A.F. ...	M.B., B.S. Melb. 1931 ...	March 1, 1933
1217—Grey, William Ian ...	Fremantle ...	M.B., B.S. Melb. 1944 ...	June 9, 1944
1211—Griffiths, Edgar Lawrence ...	Perth ...	M.B., B.S. Melb. 1944 ...	May 12, 1944
748—Guilfoyle, Francis Patrick ...	Perth ...	M.R.C.S. Eng. ; L.R.C.P. Lond. 1926 ...	Feb. 2, 1927
638—Guilfoyle, John Michael ...	Perth ...	M.B., B.Ch. Oxf. 1915 ...	Jan. 11, 1922
1201—Guanin, John Augustine ...	Mt. Magnet ...	M.B., B.S. Syd. 1943 ...	June 11, 1943
1133—Haberfeld, Erwin ...	Military Service ...	L.R.C.P. & S. Edin. 1939 ; L.R.F.P. & S. Glasg. 1939 ; Gen. Medical Council Registration Cert. Scotland, 16th Aug., 1939, No. 32086	April 2, 1941
484—Hadley, Frederick Augustus ...	Frankland River ...	M.R.C.S. Eng. ; L.R.C.P. Lond. 1899 ; F.R.C.S. Eng. 1905	Nov. 6, 1912
1118—Hall, Geoffrey John ...	Cunderdin ...	M.B., B.S. Melb. 1940 ...	Jan. 8, 1941
735—Hall, Reginald Dalton McKellar ...	Perth ...	M.B., B.S. Melb. 1922 ; F.R.C.S. Edin. 1925 ...	July 7, 1926
778—Hallion, Basel John ...	Fremantle ...	L.R.C.P., L.R.C.S. Edin. ; L.R.F.P.S. Glasg. 1926 ...	Jan. 4, 1928
936—Hallows, Gladys Isabel ...	Brisbane ...	M.B., B.S. Melb. 1932 ...	Feb. 7, 1934
1216—Haneman, Benedetto ...	Perth ...	M.B., B.S. Syd. 1944 ...	June 9, 1944
1079—Hanly, Edward Joseph ...	Port Arthur, Tas. ...	M.B., B.S. Melb. 1920 ...	July 5, 1939
1005—Hannah, Horace Wellesley ...	Melbourne ...	M.B., B.S. Melb. 1936 ...	April 7, 1937
769—Hanrahan, Henry John Chadwick ...	Military Service ...	M.B., B.S. Melb. 1927 ...	Dec. 10, 1927
863—Harke, Sydney Lawrence ...	Perth ...	M.R.C.S. Eng. 1903 ; L.R.C.P. Lond. 1903 ; M.B. U. Camb. 1907 ; F.R.C.S. Edin. 1920	Aug. 6, 1930
1181—Harper, Charles Stirling ...	R.A.A.F. ...	M.B., B.S. Melb. 1942 ...	Aug. 14, 1942
661—Harpur, Malcolm Denholme Hunter ...	Lakemba, N.S.W. ...	M.B. Sydney, 1922 ...	July 4, 1923
1209—Harris, William Frederick Andrews ...	Perth ...	M.B., B.S. Melb. 1944 ...	April 14, 1944
945—Harris, William Patrick ...	Military Service ...	M.B., B.S. Adel. 1933 ...	Sept. 5, 1934
536—Hartkopf, Albert Ernest Victor ...	Northcote, Vic. ...	M.B., B.S. Melb. 1915 ...	July 7, 1915
1191—Hartridge, Oliver Keith ...	Melbourne ...	M.B., B.S. Melb. 1912 ...	Feb. 12, 1943
1040—Hawkes-Frost (nee Newbold), Vivienne Mary ...	London ...	M.B., B.S. Melb. 1935 ...	May 4, 1938
425—Haynes, Arthur Richard ...	Perth ...	M.B., Ch.M. Sydney 1910 ...	Sept. 7, 1910
694—Hayward, Lancelot Alfred ...	Military Service ...	M.B., B.S. Adel. 1914 ...	Dec. 3, 1924
1055—Healy, Leo Francis ...	Military Service ...	M.B., B.S. Melb. 1938 ...	Feb. 1, 1939
1146—Hearn, Ronald Ernest ...	R.A.A.F. ...	M.B., B.S. Melb. 1941 ...	Oct. 1, 1941
823—Hedde, Robert Paterson ...	London ...	M.B., C.M. U. Edin. 1895 ; D.P.H. U. Glasg. 1902 ...	April 10, 1929
1068—Heinz, Ian Conrad ...	Melbourne ...	M.B., B.S. Melb. 1938 ...	April 5, 1939
1160—Hendrickson, Douglas Buxton ...	Adelaide ...	M.B., B.S. Adel. 1941 ...	Feb. 5, 1942
1154—Henn, Guy Gavin ...	Midland Junction ...	M.R.C.S. Eng. 1941 ; L.R.C.P. Lond. 1941 ...	Dec. 3, 1941
518—Henry, Clifford ...	Rosella, N.S.W. ...	M.B., Ch.M. Sydney 1914 ...	July 1, 1914
1137—Henzell, Linley Isaac ...	Wooroloo ...	M.R.C.S. Eng. 1924 ; L.R.C.P. Lond. 1924 ; M.B., B.S. Lond. 1924 ; D.P.H. Lond. 1927 ; M.D. Lond. 1929	June 11, 1941
874—Heriot, Stuart ...	Sydney ...	M.B., B.S. Melb. 1924 ...	April 1, 1931
1152—Heymansson, Frank Ernest ...	Military Service ...	M.B., B.S. Melb. 1941 ...	Nov. 5, 1941
156—Hickinbotham, James Ryland ...	Colchester, Eng. ...	M.R.C.S., L.R.C.P. Eng. 1893 ; M.B., Lond. 1895 ...	April 7, 1897
692—Hill, Arthur Albert ...	Subiaco ...	M.B., B.S. Melb. 1924 ...	Nov. 5, 1924
635—Hill, Arthur Robert ...	Dulwich Hill, N.S.W. ...	M.B., Ch.B. Glasg. 1916 ...	June 11, 1922

## LIST OF PERSONS REGISTERED UNDER THE MEDICAL ACT, 1894—continued.

No. and Name.	Address.	Qualifications.	Date of Registration.
953—Hill, Henry Manners ...	Military Service ...	M.B., B.S. Melb. 1928 ; F.R.C.S. Eng. 1933 ...	Dec. 5, 1934
1100—Hillman, William Arnold ...	Military Service ...	M.B., B.S. Syd. 1938 ...	March 6, 1940
902—Hinchley, Alister ...	Dimboola, Vic. ...	M.B., B.S. Melb. 1929 ...	June 1, 1932
593—Hislop, James Gordon ...	Perth ...	M.B., B.S. Melb. 1918 ; M.R.C.P. Lond. 1922 ...	April 7, 1920
1042—Hodby, Kenneth Wellesley ...	Coolgardie ...	M.B., B.S. Adel. 1936 ...	July 6, 1938
873—Hodby, Lindley David ...	Southern Cross ...	M.B., B.S. Adel. 1929 ...	April 1, 1931
448—Hodgson, Robert Percival ...	Beverley ...	M.B., B.S. Melb. 1909 ...	July 5, 1911
1169—Hoffman, Hyman Judah ...	Military Service... ..	M.B., B.S. Melb. 1942 ...	June 12, 1942
924—Hogan, Philip Cornelius ...	Boulder ...	M.B., B.S. Adel. 1928 ; F.R.C.S. Edin. 1933 ...	Aug. 2, 1933
967—Hogg, Joseph Ballantine ...	Military Service ...	M.B. Syd. 1918 ...	Sept. 11, 1935
349—Holland, John Joseph ...	Perth ...	M.B. Syd. 1905 ...	March 6, 1907
668—Home, Arthur Robinson ...	A.I.F. ...	M.B., B.S. Melb. 1922 ...	Oct. 3, 1923
970—Homewood, Arthur Norman ...	Sydney ...	M.B., Ch.B. Edin. 1915 ...	Oct. 2, 1935
788—Hope, Kenneth Bertram ...	Melbourne ...	M.B., B.S. Melb. 1924 ...	May 2, 1928
588—Horan, John William ...	Perth ...	M.B., B.Ch., B.O.A. N. U. Irel. 1915 ...	Jan. 7, 1920
101—Humphrey, Edward Scott ...	Mundaring ...	M.R.C.S. Eng. ; L.R.C.P. Lond. 1893 ...	March 4, 1896
1011—Humphrey, Alfred Henry ...	North Perth ...	M.B., B.S. Adel. 1937 ...	Aug. 4, 1937
862—Hunt, Bruce Atlee ...	A.I.F. ...	M.B., B.S. Melb. 1925 ; M.D. Melb. 1928 ; M.R.C.P. Lond. 1928 ...	Aug. 6, 1930
835—Hustler, Harry Fenwick ...	Seacliffe, S.A. ...	M.B., B.S. Melb. 1929 ...	July 3, 1929
227—Ick, Edwin Theophilus Jesse	Lakes Entrance, Vic.	M.B., Melb. 1898 ...	Sept. 4, 1901
1002—Illingworth, Harold Thorburn	Bruce Rock ...	M.B. Syd. 1920 ...	Feb. 3, 1937
1065—Illingworth, Herbert Walter	Leederville ...	M.B., B.S. Melb. 1939 ...	April 5, 1939
1051—Ingversen, Stanley Joseph ...	Melbourne ...	M.B., B.S. Melb. 1938 ...	Feb. 1, 1939
1177—Irvine, John Taylor ...	Military Service... ..	M.B., B.S. Melb. 1942 ...	July 10, 1942
1117—Irvine, Mary Clarenza ...	Perth ...	M.B., B.S. Melb. 1940 ...	Jan. 8, 1941
729—Jacobs, Alfred Nailer ...	Narrogin ...	M.B., B.S. Melb. 1925 ...	Feb. 3, 1926
932—James, William Rex ...	Bute, S.A. ...	M.B., B.S. Adel. 1928 ...	Feb. 7, 1934
1099—Jenkins, Archibald ...	Sydney ...	M.B., M.S. Syd. 1923 ...	March 6, 1940
443—Jermyn, Walter Herbert ...	Mt. Gambier, S.A. ...	M.B. Melb. 1889 ; B.S. Melb. 1890 ...	April 5, 1911
880—Joel, Neville Crownson ...	Bunbury ...	M.B., B.S. Melb. 1931 ...	June 3, 1931
468—Johnson, Alan Syme ...	Perth ...	M.B., B.S. Melb. 1911 ...	April 3, 1912
615—Johnson, Maurice Buchan ...	Perth ...	M.B., Ch.B. Aberd. 1903 ; M.D. Aberd. 1907 ...	Dec. 1, 1920
201—Johnson, Percy H. Wardell	Perth ...	M.B., B.S. Durh. 1894 ; M.D. Durh. 1900 ...	Oct. 3, 1900
731—Johnson, Richard William ...	A.I.F. ...	M.B., B.S. Melb., 1924 ; M.D. Melb. 1926 ; F.R.C.S. Edin. 1931 ...	May 5, 1926
684—Johnston, Alfred Laurence ...	Perth ...	M.B., B.S. Melb. 1924 ...	June 4, 1924
975—Johnston, James Boulder Lyon	Leederville ...	M.B., B.S. Melb. 1935 ...	Jan. 8, 1936
951—Johnston, John Harvey ...	Adelaide ...	M.B., B.S. Adel. 1933 ...	Dec. 5, 1934
606—Johnston, Leonard Walter ...	Melbourne ...	M.B., B.S. Melb. 1918 ...	Sept. 1, 1920
1110—Jolly, Alexander Thomas Hicks	Military Service... ..	M.B., B.S. Melb. 1935 ...	July 3, 1940
822—Jones, John Christopher ...	Birmingham, Eng. ...	M.B., Ch.B. U. Birm., M.R.C.S. Eng., L.R.C.P. Lond. 1914 ...	April 10, 1929
1010—Jones, William Ernest ...	Melbourne ...	M.R.C.S. Eng. 1890 ; L.R.C.P. Lond. 1890 ...	July 7, 1937
1218—Jordan, Audrey Ella ...	Perth ...	M.B., B.S. Syd. 1944 ...	June 9, 1944
506—Juett, Alexander ...	Perth ...	B.M., B.Ch. Oxf. 1913 ...	July 2, 1913
190—Jull, Roberta Henrietta Margaretta	Perth ...	M.B., C.M. Glasg. 1896 ...	Dec. 2, 1896
1096—Jury, Leslie Ronald ...	Cue ...	M.B., B.S. Syd. 1939 ...	Feb. 7, 1940
985—Juttner, Colin Percival ...	Adelaide ...	M.B., B.S. Melb. 1935 ...	May 6, 1936
885—Kaines, Gwendolen Elizabeth	London ...	M.B., B.S. Melb. 1928 ...	Oct. 8, 1931
1180—Kargotich, John ...	Midland Junction ...	M.B., B.S. Melb. 1942 ...	July 10, 1942
1101—Keely, Kevin ...	Melbourne ...	M.B., B.S. Melb. 1939 ...	March 6, 1940
860—Kelly, Michael ...	Military Service ...	M.B., B.S. Adel. 1928 ...	June 4, 1930
1168—Kelly, Robert William Creighton	Perth ...	M.R.C.S. Lond. 1922 ...	Mar. 6, 1942
1083—Kelly, Thomas Francis ...	Claremont ...	L.R.C.S., L.R.C.P. Edin. 1924 ; L.F.P.S. Glasg. 1924 ...	Sept. 6, 1939
1019—Kelsall, George Arthur ...	West Perth ...	M.B., Ch.B. Edin. 1937 ...	Nov. 3, 1937
453—Kenny, Joseph Patrick ...	Perth ...	M.B. Sydney 1911 ...	Sept. 6, 1911
571—Kershaw, Hilda Burn ...	Military Service ...	M.B., B.S. Melb. 1917 ...	Nov. 6, 1918
978—King, Alan Joseph ...	A.I.F. ...	M.B., B.S. Melb. 1935 ...	Feb. 5, 1936
480—King, Charles Edgar ...	Mt. Gambier, S.A. ...	M.D. Melb. 1911 ...	Aug. 7, 1912
1142—Kingsbury, Allan Neave ...	Perth ...	M.B., B.S. Lond. 1921 ; M.R.C.S. Eng. 1921 ; L.R.C.P. Lond. 1921 ; D.P.H. Lond. 1923 ; M.D. Lond. 1929 ...	Sept. 3, 1941
1193—Klug, Cecil Conrad ...	Melbourne ...	M.B., B.S. Melb. 1928 ...	April 9, 1943
846—Knight, Glen Albyn Martin	London ...	M.B., B.S. Melb. 1927 ...	Feb. 5, 1930
923—Knight, Ronald Barrington	Yarloop ...	M.B., B.S. Adel. 1933 ...	Aug. 2, 1933
818—Krantz, Sydney ...	Adelaide ...	M.B., B.S. Adel. 1927 ...	April 24, 1929
998—Kuhlmann, Christian Alan ...	Melbourne ...	M.B., B.S. Melb. 1936 ...	Feb. 3, 1937
732—Kyle, Eric Walter ...	A.I.F. ...	M.B., B.S. Melb. 1925 ...	May 5, 1926
496—Landon, Geo. Francis Stirling	San Bernardino, California	M.B., Ch.B. Edin. 1904 ; M.D. Edin. 1909 ...	May 7, 1913
1225—Lankester, Charles William	Perth ...	M.B., B.S. Qld. 1944 ...	Nov. 10, 1944
342—Latham, Oliver ...	Sydney ...	M.B., Sydney 1903 ; Ch.M. Sydney 1905 ...	Dec. 5, 1906
1009—Laver, Jack Charles ...	Melbourne ...	M.B., B.S. Melb. 1934 ...	July 7, 1937
1023—Lawson, Donald Forsyth ...	Melbourne ...	M.B., B.S. Melb. 1933 ...	Jan. 5, 1938
881—Lee, Terence Joseph ...	London ...	M.B., B.S. Melb. 1929 ...	July 1, 1931
500—Leedman, Chas. Herbert ...	Perth ...	M.B., B.S. Melb. 1913 ; F.R.C.S. Edin. 1931 ...	May 7, 1913
1170—Leedman, Robert Louis ...	Military Service... ..	M.B., B.S. Melb. 1942 ...	June 12, 1942
777—Leigh-Barlow, Vivian Hector	E. Gresford, N.S.W. ...	L.R.C.P., L.R.C.S. Edin., L.R.F.P.S. Glasg. 1927 ...	Jan. 4, 1928
648—LeSouef, Leslie Ernest ...	A.I.F. ...	M.B., B.S. Melb. 1922 ; M.D. Melb. 1924 ; F.R.C.S. Eng. 1928 ...	Aug. 9, 1922
1184—Levinson, Gordon Alfred ...	R.A.A.F. ...	M.B., B.S. Melb. 1942 ...	Oct. 9, 1942
238—Lewis, James Brook ...	Stirling, West, S.A. ...	M.B., Melb. 1900 ; B.S. Melb. 1901 ...	May 7, 1902
408—Lillies, George Leonard ...	Armada, Vic. ...	M.B., B.S. Melb. 1909 ; M.D. Melb. 1912 ...	Dec. 1, 1909

## LIST OF PERSONS REGISTERED UNDER THE MEDICAL ACT, 1894—continued.

No. and Name.	Address.	Qualifications.	Date of Registration.
1080—Linton, Robert Glendenning	Military Service	M.B., Ch.B. Edin. 1938 ; M.R.C.S., L.R.C.P. Eng. 1939	July 5, 1939
1004—Little, George Gordon ...	Omeo, Vic. ...	M.B., B.S. Melb. 1934 ... ..	April 7, 1937
1060—Little, Murray Frederick ...	Sydney ...	M.B., B.S. Syd. 1938 ... ..	Feb. 1, 1939
1144—Lloyd, Hugh Arthur ...	Adelaide ...	M.B., B.S. Adel. 1941 ... ..	Sept. 3, 1941
847—Loftus, William Ashley De Varre	Armada, Vic. ...	M.B., B.S. Melb. 1928 ... ..	March 5, 1930
883—Logan, Cedric James ...	Ashford, N.S.W.	M.B., Ch.M. Syd. 1921 ... ..	Oct. 8, 1931
783—Love, John Alexander ...	Perth ...	M.B., B.S. Adel. 1915 ... ..	March 7, 1928
916—Lovegrove, Frederick Thomas Baile	Wongan Hills ...	M.B., Ch.B. Uni. Liverpool 1931 ... ..	March 1, 1933
604—Lucraft, Harry Stephenson ...	Perth ... ..	M.B., Ch.B. Edin. 1919 ; M.D. Edin. 1922 ; M.R.C.P. Lond. 1934	July 7, 1920
1003—Lush, Stanley Woolcott ...	Lewisham, N.S.W.	M.B., B.S. Syd. 1937 ... ..	Feb. 3, 1937
1032—Macaulay, Frederick Charles	Wagin ... ..	M.B., B.S. Melb. 1936 ... ..	Feb. 2, 1938
759—Macfarlane, Kenneth Horton	Camberwell, Vic.	M.B., B.S. Melb. 1926 ... ..	May 4, 1927
640—Mackenzie, Donald Stewart ...	Perth ... ..	M.B., Sydney 1909 ; Ch.M. Sydney 1922	Feb. 1, 1922
602—Macky, Stewart ...	London ... ..	M.B., B.S. Melb. 1914 ... ..	July 7, 1920
446—Maclean, Charles Forbes ...	London ... ..	M.B., Ch.B. Glasg. 1899 ... ..	June 7, 1911
806—Macmillan, Hamish ...	Perth ... ..	M.B., B.S. Melb. 1928 ; F.R.C.S. Edin. 1937	Oct. 9, 1928
521—Macnamara, Leslie Osborne	Launceston, Tas.	M.B. Sydney 1914 ... ..	July 1, 1914
1072—Macpherson, Douglas William	A.I.F. ... ..	M.B., B.S. Melb. 1939 ... ..	May 3, 1939
672—Magnus, Alexander Noel ...	Maylands ...	M.B., Ch.M. Syd. 1923 ... ..	Nov. 7, 1923
1189—Maguire, Richard James ...	Donnybrook ...	M.B., B.S. Melb. 1943 ... ..	May 14, 1943
784—Mainland, Stewart Lindsay ...	A.I.F. ... ..	M.B., B.S. Melb. 1925 ... ..	March 7, 1928
683—Maitland, George Brumfit Gibb	A.I.F. ... ..	M.B., B.S. Melb. 1924 ... ..	June 4, 1924
614—Male, Lindsay Gordon ...	A.I.F. ... ..	M.B., B.S. Melb. 1920 ... ..	Dec. 1, 1920
644—Mallalieu, Clifford Schofield	Euroa, Vic. ...	M.B., B.S. Melb. 1922 ... ..	June 7, 1922
928—Mandelstam, Mervyn ...	Military Service...	L.R.C.P. Lond., M.R.C.S. Eng. 1930	Dec. 6, 1933
387—Marshall, Crawford Clelland	Swansea, Tas. ...	M.B., B.S. Melb. 1908 ... ..	Oct. 17, 1908
869—Marshall, Stuart Vance ...	Sydney ... ..	M.B., Syd. 1925 ... ..	March 4, 1931
548—Marshall, Thomas Edward ...	Sydney ... ..	M.B. Syd. 1916 ; M.S. Syd. 1919	Oct. 4, 1916
297—Martin, Albert Edward ...	Cottesloe ...	L.R.C.P. Lond. 1889 ; M.D. Durh. 1892 ; F.R.C.S. Eng. 1897	Nov. 9, 1904
346—Martin, Colin Hasler ...	Burnie, Tas. ...	M.B., B.S. Melb. 1915 ... ..	Sept. 6, 1916
917—Martin, Lincoln William ...	Military Service	M.B., B.S. Adel. 1931 ... ..	March 1, 1933
1045—Mater, Otto Waldemar ...	Military Service ...	M.B., B.S. Syd. 1923 ... ..	Sept. 7, 1938
441—Matthews, Samuel ...	Pingelly ... ..	M.B., B.Ch. Dubl. 1901 ... ..	April 5, 1911
1059—Mathieson, John Bryan ...	Sydney ... ..	M.B., B.S. Syd. 1936 ... ..	Feb. 1, 1939
56—Maunsell, John ...	New Norcia ...	L. and L.M.R.C.S., L. and L.M.R.C.P. Irel. 1893	T.
688—May, Reginald Frank ...	Melbourne ...	M.B., B.S. Melb. 1923 ... ..	Aug. 6, 1924
663—Mayrhofer, Guido Saverio Carlo	Claremont ...	M.B., B.S. Melb. 1923 ... ..	Aug. 1, 1923
673—Mayrhofer, Mario Alberto ...	Three Springs ...	M.B., B.S. Melb. 1923 ... ..	Nov. 7, 1923
996—Mayrhofer, Max ...	A.I.F. ... ..	M.B., B.S. Melb. 1936 ... ..	Feb. 3, 1937
624—McAleer, James ...	Geraldton ...	L. and L.M.R.C.P. Irel., L. and L.M.R.C.S. Irel. 1919	May 4, 1921
1035—McAuliffe, Joseph Albert ...	Military Service ...	M.B., B.S. Melb. 1937 ... ..	March 2, 1938
424—McCall, John ...	Cottesloe ...	L.R.C.P., L.R.C.S. Edin. ; L.F.P.S. Glasg. 1909	Sept. 7, 1910
1159—McCann, Francis Bede ...	Fremantle ...	M.B., B.S. Syd. 1922 ; D.P.H. Syd. 1937	Jan. 7, 1942
780—McCowan, Douglas Duncan ...	Military Service ...	M.B., B.S. Melb. 1922 ... ..	Feb. 2, 1928
943—McCubbin, Mary Alexander	Perth ... ..	M.B., B.Ch. Glasg. 1925 ... ..	Sept. 5, 1934
775—McGillivray, William Sim ...	Perth ... ..	M.B., Ch.B., 1903 ; U. Aberd., D.P.H., R.C.P.S. Eng. 1924	Dec. 7, 1927
773—McGinn, Keith Edward ...	Quairading ...	M.B., B.S. Melb. 1927 ... ..	Oct. 12, 1927
1186—McGlashan, John Gardner...	Military Service ...	M.B., B.S. Adel. 1942 ... ..	Nov. 13, 1942
501—McGregor, Roy Stanley ...	Gympie, Q. ...	M.B. Sydney 1913 ... ..	May 7, 1913
1014—McMahon, James Edward ...	Military Service	M.B., B.S. Melb. 1925 ... ..	Sept. 1, 1937
535—McMahon, Leo. Luke ...	St. Kilda, Vic. ...	M.B., B.S. Melb. 1915 ... ..	June 2, 1915
383—McWhae, Douglas Murray ...	Perth ... ..	M.B., B.S. Melb. 1906 ; M.D. Melb. 1908 ; M.R.C.P. Lond. 1919 ; F.R.C.P. Lond. 1940	Aug. 5, 1908
713—Meagher, Thomas William ...	Victoria Park ...	M.B., B.S. Melb. 1925 ... ..	July 1, 1925
964—Meikle, Alexander Jamieson	Adelaide ... ..	M.B., Ch.M. Edin. 1892 ; L.R.C.P., L.R.C.S. Edin., L.F.P.S. Glasg. 1892 ; M.D. Edin. 1894	Aug. 7, 1935
1106—Mercer, David Lloyd ...	A.I.F. ... ..	M.B., B.S. Melb. 1939 ... ..	April 3, 1940
403—Merrillees, Crichton Raouls ...	St. Kilda, Vic. ...	L.R.C.P., L.R.C.S. Edin., L.F.P.S. Glasg. 1907	Aug. 4, 1909
984—Merrington, Harvard Northcroft	Melbourne ...	M.B., Ch.B. N.Z. 1936 ... ..	March 4, 1936
912—Merritt, Arthur Albert ...	A.I.F. ... ..	M.B., B.S. Melb. 1931 ... ..	March 1, 1933
711—Michaels, Samuel Nathaniel	Perth ... ..	M.B., B.S. Melb. 1925 ; D.P.H., R.C.P.S. Eng. 1928	June 3, 1925
639—Miller, Roy William ...	Armada, Vic. ...	M.B., B.S. Melb. 1921 ... ..	Feb. 1, 1922
1089—Millet, William Leonard ...	Sydney ... ..	M.B. Syd. 1914, M.Ch. Syd. 1915	Nov. 1, 1939
1095—Minc, Solomon ...	Perth ... ..	M.D. Rome 1930 ... ..	Jan. 3, 1940
474—Mitchell, Hugh William Fancourt	Morwell, Vic. ...	M.B., B.S. Melb. 1911 ... ..	June 5, 1912
403—Mitchell, Leonard John Cole	Melbourne ...	M.B., B.S. Melb. 1909 ... ..	Nov. 10, 1909
803—Mitchell, Paul Wonastrocht	Brisbane ...	M.B., Ch.M. Syd. 1914 ; D.P.H. Syd. 1918	Sept. 5, 1928
331—Mitchell, Robert Macfarlane	South Perth ...	M.B., Ch.B. Edin. 1900 ; F.R.C.S. Edin. 1903 ; D.P.H. R.C.P. Lond. and S. Eng. 1905	June 6, 1908
1102—Moloney, William Rex ...	Melbourne ...	M.B., B.S. Melb. 1939 ... ..	March 6, 1940
450—Montgomery, Hugh Herbert	Chester, Eng. ...	L. and L.M.R.C.P. Irel., L. and L.M.R.C.S. Irel. 1910	July 5, 1911
451—Montgomery, Margaret Mary Sabina	Chester, Eng. ...	L. and L.M.R.C.P. Irel., L. and L.M.R.C.S. Irel. 1910	July 5, 1911
900—Moore, George Howard ...	Port Adelaide, S.A.	M.B., B.S. Melb. 1926 ; D.P.H. Syd. 1931	May 4, 1932
1012—Moore, Reginald ...	Lithgow, N.S.W.	M.B., Ch.B. N.Z. 1936 ... ..	Aug. 4, 1937

T.—Transferred from old register.



## LIST OF PERSONS REGISTERED UNDER THE MEDICAL ACT, 1894—continued.

No. and Name.	Address.	Qualifications.	Date of Registration.
246—Moore, Samson Courtenay ...	Perth ... ..	M.B., Ch.B. V. U. Manc. 1898 ... ..	Aug. 6, 1902
600—Morlet, Claude ... ..	Perth ... ..	M.B., B.S. Melb. 1913 ... ..	June 2, 1920
800—Morris, Matthew James ...	Perth ... ..	M.B., B.S. Melb. 1925 ... ..	Aug. 1, 1928
1126—Morris, Thomas ... ..	Military Service...	M.B., B.S. Melb. 1940 ... ..	Feb. 5, 1941
1015—Moss, Francis John ... ..	Melbourne ... ..	M.B., B.S. Melb. 1936 ... ..	Sept. 1, 1937
716—Moss, Gerald Carew ... ..	A.I.F. ... ..	M.B., B.S. Melb. 1925 ; M.R.C.P. Lond. 1936 ... ..	Nov. 4, 1925
294—Moss, M. Kasner ... ..	Perth ... ..	M.B., B.S. Melb. 1902 ... ..	Aug. 3, 1904
538—Moxon, Herbert William ...	London ... ..	M.R.C.S. Eng. ; L.R.C.P. Lond. 1906 ... ..	Feb. 2, 1916
921—Muecke, Roy Le Page ... ..	Perth ... ..	M.B., B.S. Adel. 1933 ... ..	Aug. 2, 1933
843—Muir, William ... ..	Fremantle ... ..	M.B., B.S. Melb. 1929 ... ..	Nov. 6, 1929
1087—Mulcahy, Hugh Cranley ...	Military Service	M.B., B.S. Melb. 1938 ... ..	Sept. 6, 1939
1098—Muller, Joy Helena ... ..	Nedlands ... ..	M.B., B.S. Melb. 1938 ... ..	Feb. 7, 1940
1084—Mulvany, Barry Joseph ...	Melbourne ... ..	M.B., B.S. Melb. 1939 ... ..	Sept. 6, 1939
1161—Murdoch, James Wilson ...	Claremont ... ..	M.B., Ch.B. Aberdeen 1924 ... ..	Feb. 5, 1942
954—Murphy, Aileen Mary ... ..	Perth ... ..	M.B., B.S. Melb. 1926 ... ..	Dec. 5, 1934
925—Murphy, Eileen Mary ... ..	Stanthorpe, Q. ... ..	M.B., B.S. Melb. 1929 ... ..	Sept. 6, 1933
962—Murray, Gerald Aubrey ... ..	Perth ... ..	M.B. Syd. 1919 ; D.P.H. Syd. 1925 ... ..	July 3, 1935
1132—Murray, Ronald Elliott ... ..	Sydney ... ..	M.B. Syd. 1927 ... ..	April 2, 1941
1071—Musso, Louis Albert Maria Bellotti	Broome ... ..	M.B., B.S. Syd. 1937 ... ..	May 3, 1939
909—Myles, George Lloyd ... ..	A.I.F. ... ..	M.B., Ch.B. St. And. 1931 ... ..	Feb. 4, 1933
260—Myles, Wm. Saunders ... ..	Moora ... ..	M.B., B.Ch. Dubl. 1899 ; B.O.A. Dubl. 1899 ... ..	May 6, 1908
749—Nairn, Bertram William ... ..	A.I.F. ... ..	M.B., B.S. Melb. 1926 ; F.R.C.S. Eng. 1935 ... ..	Feb. 2, 1927
1094—Nash, Eccles Norman ... ..	Military Service...	M.B. Syd. 1938 ... ..	Jan. 3, 1940
866—Nash, Harold Henry Rushton	Perth ... ..	M.B., B.S. Melb. 1930 ... ..	Oct. 1, 1930
875—Nattrass, Roland Hodgson ...	Perth ... ..	M.B., B.S. Melb. 1929 ... ..	April 1, 1931
374—Nelson, William Horner ... ..	Subiaco ... ..	M.B., B.S. Melb. 1907 ... ..	April 1, 1908
1081—Newnham, James Henry Lawrence	R.A.F., England	L.R.C.P., M.R.C.S. Eng. 1936 ; M.B., B.S. Lond. 1937	Aug. 2, 1939
774—Nicholl, Ralph Whitburn ...	Yackandandah, Vic.	M.B., B.S. Melb. 1925 ... ..	Nov. 2, 1927
867—Nolan, Jane Dugmare ... ..	Sydney ... ..	M.B., B.S. Syd. 1928 ... ..	Oct. 1, 1930
1048—Norman, William Gowan ...	Adelaide ... ..	M.B., B.S. Adel. 1938 ... ..	Sept. 7, 1938
1135—Nulson, Clement Edward ...	Military Service...	M.B., B.S. Melb. 1942 ... ..	Oct. 9, 1942
1138—Odum, Vernon James ... ..	Adelaide ... ..	M.B., B.S. Adel. 1939 ... ..	July 2, 1941
872—O'Donnell, James Michael Antony	Perth ... ..	M.B. Syd. 1926 ... ..	April 1, 1931
1166—Oldmeadow, Donald James	Broome ... ..	M.B., B.S. Melb. 1937 ... ..	Mar. 6, 1942
174—O'Meara, Patrick Michael ...	Nedlands ... ..	M.B., B.S. R. U. Irel. 1897 ... ..	June 8, 1898
703—O'Neill, Sydney ... ..	Perth ... ..	M.B., B.S. Melb. 1917 ; F.R.C.S. Irel. 1922 ... ..	Feb. 4, 1925
502—O'Reilly, Merrick ... ..	Parramatta, N.S.W.	M.B. Sydney 1913 ... ..	May 7, 1913
980—Orton, Phillip John ... ..	Wyalkatchem ... ..	M.B., B.S. Uni. N.Z. 1935 ... ..	Feb. 5, 1936
855—Osborn, Gladstone Rule ... ..	Derby, Eng. ... ..	M.B., B.S. Melb. 1927 ... ..	May 7, 1930
621—O'Sullivan, Edward Francis ...	Donegal, Ireland	M.D., M.S. R. U. Irel. 1886 ; L.M.K. and Q.C.P.I. 1887	March 2, 1921
1114—O'Toole, Cyril Paul ... ..	Kalgoorlie ... ..	L.L.M., R.C.S. Irel. 1927 ; L.L.M., R.C.P. Irel. 1927 ... ..	Oct. 2, 1940
1143—Outhred, Kenneth Gilbert ...	Kalgoorlie ... ..	M.B., B.S. Melb. 1934 ... ..	Sept. 3, 1941
882—Overstead, John Edward ... ..	Brisbane, Q. ... ..	L.R.C.P., L.R.C.S. Edin., L.R.P.F.S. Glasgow 1922 ... ..	July 1, 1941
1192—Owens, Marjery Gertrude ...	Perth ... ..	M.B., B.S. Melb. 1942 ... ..	April 9, 1931
898—Oxer, John ... ..	Darlington ... ..	M.B., B.S. Melb. 1931 ... ..	March 2, 1932
114—Paget, Owen Frank ... ..	Sharks Bay ... ..	M.B., B.Chir. Camb. 1895 ... ..	May 6, 1896
931—Palandri, John Dominic ... ..	A.I.F. ... ..	M.B., B.S. Melb. 1933 ... ..	Jan. 10, 1934
718—Pannell, William James ... ..	Perth ... ..	M.B., B.S. Melb. 1925 ; F.R.C.S. Edin. 1929 ... ..	Nov. 4, 1925
352—Parer, John Ignatius ... ..	Granville, N.S.W.	M.B. Melb. 1906 ; B.S. Melb. 1907 ; F.R.C.S. Edin. 1912	April 3, 1907
1212—Park, Charles Leslie ... ..	Tasmania ... ..	M.B., B.S. Melb. 1907 ; M.D. Melb. 1918 ... ..	May 12, 1944
726—Parker, Dorothea Laura Hill	East Fremantle ... ..	M.B., B.S. Melb. 1924 ... ..	Feb. 3, 1926
353—Parker, Reginald Arthur ... ..	East Kew, Vic....	M.B., Ch.M. Sydney 1907 ... ..	May 1, 1907
1037—Paroulakis, Haralambos ... ..	Melbourne ... ..	L.M.S.S.A. Lond. 1934 ... ..	April 6, 1938
1067—Paterson, Lucie Doris ... ..	Sydney ... ..	M.B., B.S. Syd. 1938 ... ..	April 5, 1939
385—Paton, David Duncan ... ..	Perth ... ..	M.B., Ch.B. Edin. 1903 ... ..	Sept. 2, 1908
976—Pawsey, Harry Kendall ... ..	Victoria Park ... ..	M.B., B.S. Melb. 1935 ... ..	Jan. 8, 1936
767—Peacock, William Knox ... ..	Victoria Park ... ..	M.B., B.S. Melb. 1925 ... ..	Oct. 12, 1927
715—Pearse, Thomas Sargent ... ..	London ... ..	L.R.C.P. Edin., L.R.C.S. Edin., L.F.P.S. Glasg. 1904 ... ..	Aug. 5, 1925
766—Pearson, Henry Roy ... ..	Mt. Lawley ... ..	M.B., M.S. Sydney 1924 ... ..	Oct. 12, 1927
1025—Pedler, John Meavious ... ..	London ... ..	M.B., B.S. Adel. 1935 ... ..	Jan. 5, 1938
927—Penington, Alan Harry ... ..	Heidelberg, Vic.	M.B., B.S. Melb. 1933 ... ..	Dec. 6, 1933
813—Penny, Harold John ... ..	Tunstall, Eng. ... ..	M.B., B.S. Adel. 1913 ... ..	Dec. 11, 1928
833—Perdriau, Owen ... ..	Sydney ... ..	M.B., M.S. Syd. 1924 ... ..	July 3, 1929
1115—Perec, Chain ... ..	A.I.F. ... ..	L.R.C.P. and S., L.R.C.S. Ed., L.R.F.P. Glas. 1939 ... ..	Dec. 4, 1940
1058—Perrins, Reginald Bishop ...	Melbourne ... ..	M.B., B.S. Melb. 1909 ... ..	Feb. 1, 1939
956—Phelan, David Beattie ... ..	Manjimup ... ..	M.B., B.S. Melb. 1935 ... ..	March 6, 1935
856—Phipps, Henry David ... ..	R.A.A.F. ... ..	M.B., B.S. Melb. 1928 ... ..	May 7, 1930
949—Piccles, Jack Walter Lawrence	Carnarvon ... ..	M.B. Syd. 1928 ... ..	Nov. 7, 1934
1158—Pitt, David Buxton ... ..	Military Service...	M.B., B.S. Melb. 1941 ... ..	Jan. 7, 1942
955—Plummer, Violet Myrtle ... ..	London ... ..	M.B., B.S. Adel. 1932 ... ..	Dec. 5, 1934
396—Ponsford, Frank William Augustus	Adelaide, S.A. ... ..	M.B., B.S. Melb. 1908 ... ..	March 17, 1909
1149—Pope, Douglas Campbell ... ..	Military Service...	M.B., B.S. Melb. 1941 ... ..	Nov. 5, 1941
459—Pope, Edward Campbell ... ..	Katanning ... ..	M.R.C.S. Eng., L.R.C.P. Lond. 1907 ... ..	Jan. 10, 1912
1092—Pope, Harry Campbell ... ..	Military Service...	M.B., B.S. Melb. 1939 ... ..	Jan. 3, 1940
1128—Pope, Richard Alexander Dennistoun	Onslow ... ..	M.B., B.Ch., B.A.O. Dublin 1923 ; M.D. Dublin 1925 ... ..	March 5, 1941
1213—Porter, Richard Maxwell ... ..	Perth ... ..	M.B., B.S. Melb. 1944 ... ..	June 9, 1944
961—Pottinger, George Wilfred ...	Aramac, Q. ... ..	M.B., B.S. Syd. 1929 ; F.R.C.S. Edin. 1934 ... ..	April 3, 1935
1153—Prendergast, Francis Michael Gerald	Claremont ... ..	M.B., B.S. Melb. 1934 ; Gen. Medical Council Reg. Cert. No. 5298	Nov. 5, 1941

## LIST OF PERSONS REGISTERED UNDER THE MEDICAL ACT, 1894—continued.

No. and Name.	Address.	Qualifications.	Date of Registration.
933—Price, Charles William Russell	London ...	M.B., B.S. Adel. 1932 ...	Feb. 7, 1934
445—Pritchard, Robert John ...	Murwillumbah, N.S.W.	M.R.C.S. Eng., L.R.C.P. Lond. 1899 ...	May 3, 1911
972—Pryor, William Arthur ...	Ballarat, Vic. ...	M.B., B.S. Adel. 1919 ...	Dec. 11, 1935
810—Purser, Joseph Alexander ...	London ...	M.B., B.S. Melb. 1928 ...	Oct. 9, 1928
504—Quinlan, Bernard Gerald ...	Melbourne ...	M.B., B.Ch., B.A.O. Dubl. 1912 ...	June 4, 1913
751—Quinlan, Daniel Alphonsus O'Connor	Perth ...	M.B., B.Ch. Dubl. 1926 ...	Feb. 2, 1927
891—Radcliffe-Taylor, Marion Aroha	Perth ...	M.B., Ch.B. N.Z. 1922; F.R.C.S. Edin. 1930 ...	Dec. 2, 1931
836—Raikes, Hyman Bernard ...	London ...	M.B., B.S. Melb. 1924 ...	July 3, 1929
159—Ramsay, James Edward ...	Wahroonga, N.S.W.	M.B. Lond. 1893 ...	June 9, 1897
995—Redgrave, Lindsay Gordon	Military Service...	M.B., B.S. Melb. 1936 ...	Feb. 3, 1937
988—Redshaw, George Muir ...	Perth ...	M.B., B.S. Syd. 1927 ...	May 6, 1936
763—Reeves, Thomas Conrad ...	Melbourne ...	M.R.C.S. Eng., L.R.C.P. Lond. 1911 ...	July 6, 1927
1050—Reynolds, Marjorie ...	Adelaide ...	M.B., B.S. Melb. 1931 ...	Dec. 7, 1938
892—Rice, John David ...	Adelaide ...	M.B., B.S. Adel. 1930 ...	Jan. 6, 1932
618—Richards, Clarence ...	Broken Hill, N.S.W.	M.B., B.S. Adel. 1919 ...	Jan. 5, 1921
1046—Richardson, Patricia Sophia	London ...	M.B., B.D. Adel. 1937 ...	Sept. 7, 1938
1061—Roberts, Ethel Phoebe ...	Nedlands ...	M.B., B.S. Melb. 1937 ...	March 1, 1939
1153—Roberts, Ian Maurice ...	Derby ...	M.B., B.S. Melb. 1941 ...	Dec. 3, 1941
1063—Roberts, Gordon ...	Melbourne ...	M.B., Ch.B. Edin. 1934 ...	April 5, 1939
1210—Robinson, George David ...	Perth ...	M.B., B.S. Melb. 1944 ...	April 14, 1944
1111—Robertson, William Lincoln	Perth ...	M.B., B.S. Melb. 1913 ...	Oct. 2, 1940
1140—Robinson, Alex McLaren ...	Kellerberrin ...	M.B., B.S. Melb. 1940 ...	Aug. 6, 1941
870—Robinson, Mary Hallam ...	Melbourne ...	M.B., B.S. Melb. 1930 ...	March 4, 1931
960—Robinson, Norman Henry ...	A.I.F. ...	M.B., B.S. Melb. 1928; M.D. Melb. 1931; F.R.C.S. Eng. 1933	April 3, 1935
68—Robinson, Thomas Henry ...	Albany ...	M.C. Edin. 1885; M.D. Edin. 1889 ...	T.
737—Rockett, Richard Hildreth...	Cottesloe ...	M.B., B.S. Melb. 1926 ...	Aug. 4, 1926
1198—Roe, William Arthur Allport	Military Service...	M.B., B.S. Queensland 1942 ...	Feb. 12, 1943
1510—Rogerson, Edward ...	Kaniva, Vic. ...	M.B., B.S. Melb. 1913 ...	Oct. 1, 1913
1103—Rose, Norman ...	A.I.F. ...	M.B., B.S. Melb. 1939 ...	March 6, 1940
1017—Rosenfield, Marcus Melbourne	Melbourne ...	M.B., B.S. Melb. 1931; M.D. Melb. 1935 ...	Nov. 3, 1937
919—Ross, Angela Mary ...	Mackay, Q. ...	M.B. Syd. 1928 ...	June 7, 1933
1224—Ross, Arthur John ...	Perth ...	M.B. Med. Col. Japan 1918; G.M.C. Cert. 1408 ...	Nov. 10, 1944
1163—Routley, Barbara Urquhart	England ...	M.B., Ch.B. Edin. 1939 ...	Feb. 5, 1942
1113—Rowntree, Cameron Sutcliffe	Sydney ...	M.B., B.S. Syd. 1937 ...	Oct. 2, 1940
1187—Rule, Viva Eileen Kennedy	South Perth ...	M.R.C.S. Eng. 1942; L.R.C.P. Lond. 1942 ...	Nov. 13, 1942
1219—Ruprecht, Ronald Herbert...	Perth ...	M.B., B.S. Syd. 1944 ...	July 14, 1944
598—Russell, Alfred Burgess ...	Blackwood, S.A. ...	M.B., B.S. Adel. 1919 ...	May 5, 1920
965—Russell, Walter Alfred ...	Adelaide ...	M.B., B.S. Adel. 1935 ...	Sept. 11, 1935
983—Ryan, Edward Clifford Lee	Pemberton ...	M.B., B.S. Adel. 1935 ...	March 4, 1936
1129—Ryan, Margaret ...	Perth ...	M.B., B.S. Melb. 1938 ...	March 5, 1941
1119—Salvaris, Michael ...	Melbourne ...	M.B., B.S. Melb. 1940 ...	Jan. 8, 1941
987—Salvi, Anthony Ettore Keith	London ...	M.R.C.S. Eng., L.R.C.P. Lond. 1935 ...	May 6, 1936
918—Sargent, Rex James ...	Barmera, S. Aus. ...	M.B., B.S. Adel. 1929 ...	April 5, 1933
1178—Saunders, John Robert ...	Mullewa ...	M.B., B.S. Melb. 1942 ...	July 10, 1942
974—Saunders, Mary Aletta ...	London ...	L.R.C.P. Lond. 1931 ...	Jan. 8, 1936
946—Savage, John James ...	Narrogin ...	M.R.C.S. Eng., L.R.C.P. Lond. 1917 ...	Nov. 7, 1934
179—Sawell, Frank Leslie Pownall	Albany ...	M.R.C.S. Eng. 1886; L.S.A. 1886 ...	Sept. 7, 1898
452—Sawers, William Campbell ...	Sydney ...	M.B., B.S. Melb. 1911 ...	Sept. 6, 1911
930—Saxby, George Jacob Maxwell	Sydney ...	M.R.C.P. Edin. 1920 ...	Jan. 10, 1934
1130—Schlink, Carl William Albert Joseph	Melbourne ...	M.B., B.S. Melb. 1940 ...	March 5, 1941
935—Schlink, Franziska ...	Melbourne ...	M.B., B.S. Melb. 1932 ...	Feb. 7, 1934
392—Scott, Frank Sholl ...	Penzance, Eng. ...	L.R.C.P. Lond., M.R.C.S. Eng. 1908; M.B., B.S. Lond. 1908	Jan. 18, 1909
1174—Scott, John Arthur ...	Military Service...	M.B., B.S. Melb. 1942 ...	July 10, 1942
1122—Sedgwick, Catherine Jeannie Ailton	Subiaco ...	M.B., Ch.B. Edin. 1939 ...	Feb. 5, 1941
1120—Sedgwick, Frank Spence ...	Subiaco ...	M.B., Ch.B. Ed. 1938 ...	Jan. 8, 1941
720—Seed, William Walter ...	Perth ...	M.B., B.S. Melb. 1925 ...	Nov. 4, 1925
1221—Segal, Zara ...	Perth ...	M.B., B.S. Syd. 1944 ...	July 14, 1944
1197—Sellwood, Robert Valentine	Perth ...	M.B., B.S. Melb. 1943 ...	May 14, 1943
646—Seward, Charles Mackenzie	Exeter, Eng. ...	M.B., Ch.B. Edin. 1916 ...	July 5, 1922
1038—Seward, Effie Winsome ...	Kew, Vic. ...	M.B., B.S. Melb. 1937 ...	April 6, 1938
849—Shanahan, Patrick William	Boulder ...	M.B., B.S. Adel. 1928 ...	March 5, 1930
746—Shannon, James Robert ...	Newcastle, N.S.W. ...	M.B., Ch.M. Syd. 1926 ...	Feb. 2, 1927
1075—Sharland, Andrew Alexander	Sydney ...	M.B. Syd. 1933 ...	June 7, 1939
1006—Shatin, Roman ...	Melbourne ...	M.B., B.S. Melb. 1936 ...	May 5, 1937
471—Shaw, Kenneth Rodas Deva-aignes	London ...	L.R.C.P., L.R.C.S. Edin., L.F.P.S. Glasg. 1899 ...	April 3, 1912
966—Shepherd, Thelma ...	South Perth ...	M.R.C.S., L.R.C.P., M.B., B.S. Lond. 1928; M.D. Lond. 1932	Sept. 11, 1935
367—Shields, Clive ...	Malmsbury, Vic. ...	M.B. Melb. 1905; B.S. Melb. 1906 ...	Dec. 18, 1907
1024—Siglin, Alec ...	Military Service...	M.B., B.S. Melb. 1937 ...	Jan. 5, 1938
479—Simpson, Charles John ...	Bright, Vic. ...	M.B., B.Ch., Q. U. Belf. 1910 ...	Aug. 7, 1912
959—Simpson, Frederick William	Wembley Park ...	M.B., B.S. Adel. 1934 ...	April 3, 1935
982—Skewes, David Buick	Melbourne ...	M.B., B.S. Melb. 1935 ...	Feb. 5, 1936
830—Slater, Fife ...	Germiston, South Africa	M.B., Ch.B. U. Aberd. 1904 ...	June 5, 1929

T.—Transferred from old register.



LIST OF PERSONS REGISTERED UNDER THE MEDICAL ACT, 1894—continued.

No. and Name.	Address.	Qualifications.	Date of Registration.
1200—Slavin, Michael ... ..	Perth ... ..	M.B., B.S. Melb. 1943 ... ..	May 14, 1943
851—Smith, Aloysius Daly Virgilius	Military Service...	M.B., B.S. Adel. 1928 ... ..	March 5, 1930
586—Smith, Donald Ian Robertson	Perth ... ..	M.B., B.S. Syd. 1914 ... ..	Jan. 7, 1920
736—Smith, Eric David Thomas	Subiaco ... ..	L.R.C.P. Edin., L.R.C.S. Edin., L.F.P.S. Glasg. 1926	Aug. 4, 1926
582—Smith, Harold Raymond ...	Collie ... ..	M.B., B.S. Melb. 1918 ... ..	Oct. 9, 1919
1031—Smith, William Percival Joseph Lawson	Bunbury ... ..	M.B., B.S. Melb. 1937 ... ..	Feb. 2, 1938
741—Stang, Eleanor Margrethe ...	Perth ... ..	M.B., B.S. Melb. 1918 ... ..	Nov. 3, 1926
1124—Stanton, Gordon Victor ...	R.A.A.F. ... ..	M.B., B.S. Melb. 1940 ... ..	Feb. 5, 1941
1056—Stanton, Roy Alan Julian	R.A.A.F. ... ..	M.B., B.S. Melb. 1938 ... ..	Feb. 1, 1939
929—Starke, Manuel ... ..	Dalwallinu ... ..	M.B., B.S. Melb. 1933 ... ..	Dec. 6, 1933
768—Steel, David McGowan ...	Lismore, Vic. ...	M.B., B.S. Melb. 1927 ... ..	Oct. 12, 1927
550—Stenning, Arthur Ernest ...	Boypup Brook ...	M.B., B.S. Melb. 1915 ... ..	Dec. 6, 1916
734—Stevens, Harley Edward ...	London ... ..	M.B., Ch.M. Syd. 1926 ... ..	June 2, 1926
824—Stewart, Hector Hamilton	A.I.F. ... ..	M.B., B.S. Melb. 1926 ; M.D. Melb. 1929	April 10, 1929
1176—Stewart, Keith Vernon Douglas	Military Service ...	M.B., B.S. Melb. 1942 ... ..	July 10, 1942
1082—Stewart, Vernon Allan Fergusson	Merredin ... ..	M.B., B.S. Adel. 1939 ... ..	Aug. 2, 1939
934—Stimson, Francis Gordon ...	Harvey ... ..	M.B. Syd. 1933 ; B.S. Syd. 1934 ... ..	Feb. 7, 1934
1073—Strahan, Edward George ...	R.A.A.F. ... ..	M.B., B.S. Melb. 1939 ... ..	June 7, 1939
794—Streich, Carl Ivo ... ..	Armadale ... ..	M.B., B.S. Adel. 1919 ; M.R.C.P. Lond. 1924 ; D.P.H., R.C.P.S. Eng. 1927	June 6, 1928
1085—Stoller, Alan ... ..	A.I.F. ... ..	M.R.C.S. Eng., L.R.C.P. Lond. 1935 ... ..	Sept. 6, 1939
573—Stubbe, Hans ... ..	A.I.F. ... ..	M.B., B.S. Melb. 1918 ... ..	Feb. 5, 1919
758—Sutherland, Stafford Fraser	Nagambie, Vic. ...	M.B., B.S. Melb. 1926 ... ..	May 4, 1927
330—Sutton, George ... ..	Toorak, Vic. ...	M.B., B.S. Melb. 1904 ... ..	June 6, 1906
1033—Sweetman, Keith Franklin Drysdale	R.A.A.F. ... ..	M.B., B.S. Melb. 1937 ... ..	Feb. 2, 1938
1008—Taft, Boyard Israel ... ..	Melbourne ... ..	M.B., B.S. Melb. 1935 ... ..	July 7, 1937
1223—Taylor, Benjamin Alfred ...	Perth ... ..	M.R.C.S. Eng. ; L.R.C.P. Lond. 1928 ; D.P.H. (Liver- pool) 1936	Oct. 20, 1944
1164—Taylor, Christobel Mary ...	North Perth ... ..	M.B., Ch.B. Man. 1929 ... ..	Feb. 5, 1942
992—Taylor, Kathleen Mary ...	Claremont ... ..	M.R.C.S. Eng., L.R.C.P. Lond. 1926 ... ..	Aug. 5, 1936
968—Taylor, Stuart Gifford ... ..	A.I.F. ... ..	M.B., B.S. Melb. 1926 ... ..	Sept. 11, 1935
710—Tepper, Keith Hancock ... ..	Perth ... ..	M.B., Ch.B. Edin. 1924 ... ..	May 6, 1925
196—Thom, Alexander Philip ...	Mt. Magnet ... ..	M.B., Ch.B. Aberd. 1883 ; D. S. Sc. V. U. Manc. 1890	May 2, 1900
888—Thomas, Philip Cedric ... ..	A.I.F. ... ..	M.B., B.S. Melb. 1931 ... ..	Dec. 2, 1931
747—Thomas, Robert Samuel William	Northam ... ..	M.B., B.S. Melb. 1924 ... ..	Feb. 2, 1927
667—Thompson, Ernest John Tytler	Military Service ...	M.B., Ch.B. Glasgow 1923 ... ..	Oct. 3, 1923
631—Thompson, Geoffrey Ashbur- ton	Perth ... ..	M.B., B.S. Melb. 1921 ... ..	Nov. 2, 1921
897—Thorburn, Ian Oriel ... ..	Victoria Park ... ..	M.B., B.S. Melb. 1928 ; M.D. Melb. 1931 ; M.R.C.P. Lond. 1933	March 2, 1932
669—Thorne, Henry Joseph Roberts	London ... ..	M.B., B.S. Melb. 1923 ... ..	Oct. 3, 1923
603—Tighe, John Michael ... ..	Melbourne ... ..	L. and L.M.R.C.P. Edin., L.L.M.R.C.S. Edin., L. and L.M.F.P. and S. Glasg. 1895	July 7, 1920
989—Tighe, Thomas Patrick ... ..	Sydney ... ..	M.B., B.S. Melb. 1920 ... ..	June 3, 1936
1105—Tomlinson, William Frederick	Perth ... ..	M.B., B.S. Adel. 1939 ... ..	April 3, 1940
1018—Tohill, Walter Vincent ... ..	Trinidad ... ..	L.M.S.S.A. Lond. 1913 ... ..	Nov. 3, 1937
884—Tremayne, James Henry Russell	Allora, Q'Ind. ...	M.B. Syd. 1930 ... ..	Oct. 8, 1931
1027—Tresise, Peter Charles Chap- man	Perth ... ..	M.B., B.S. Melb. 1937 ... ..	Feb. 2, 1938
829—Therowan, Henry Markham	Military Service ...	M.B., Ch.B. U. Aberd. 1929 ... ..	June 5, 1929
647—Troup, Gilbert Reynolds ...	A.I.F. ... ..	M.B., B.S. Melb. 1922 ; M.R.C.P. Eng. 1930 ... ..	Aug. 9, 1922
958—Troup, Margaret Heggie ...	Melbourne ... ..	M.B., B.S. Melb. 1935 ... ..	March 6, 1935
1195—Tulloch, Ian Mitchell ... ..	Perth ... ..	M.B., B.S. Melb. 1943 ... ..	May 14, 1943
1020—Tulloch, William Selby ...	London ... ..	M.B., Ch.B. Edin. 1937 ... ..	Dec. 1, 1937
750—Tunbridge, Ewan Ballantine	Margaret River ...	M.B., B.S. Melb. 1926 ... ..	Feb. 2, 1927
345—Tymms, Herbert George ... ..	Perth ... ..	L.R.C.P. Lond., M.R.C.S. Eng. 1899 ; M.B. Melb. 1894 ; B.S. Melb. 1895 ; F.R.C.S. Eng. 1901	Jan. 16, 1907
793—Tyrer, Thomas Loughton ...	East St. Kilda, Victoria	M.B., B.S. Melb. 1926 ... ..	June 6, 1928
690—Uglow, Arthur George Rongo	Colac, Vic. ... ..	M.B., B.S. Melb. 1924 ... ..	Nov. 5, 1924
1226—Varley, Edward Clifford ...	Subiaco ... ..	M.B., B.S. Melb. 1926 ... ..	Nov. 10 1944
947—Vickers, Allan Robert Stanley	Military Service...	M.B., Ch.M. Syd. 1926 ... ..	Nov. 7, 1934
686—Vincent, Frederick Howard	Perth ... ..	M.B., B.S. Melb. 1924 ... ..	June 4, 1924
1135—Vincent, Leslie ... ..	Perth ... ..	M.B., B.S. Melb. 1941 ... ..	June 11, 1941
601—Vivian, Alfred Ernest ... ..	A.I.F. ... ..	M.B., M.S. Syd. 1920 ... ..	June 2, 1920
814—Walker, Olivia Nyna ... ..	Albany ... ..	M.B., B.S. Durham 1911 ... ..	Feb. 6, 1929
595—Wallace, Alexander Guthrie Semple	Cottesloe ... ..	M.B., Ch.B. Glasg. 1911 ... ..	May 5, 1920
948—Wallace, Frank Kenneth ...	A.I.F. ... ..	M.B., B.S. Adel. 1934 ... ..	Nov. 7, 1934
1028—Walsh, Anthony Frederick...	Collie ... ..	M.B., B.S. Melb. 1937 ... ..	Feb. 2, 1938
785—Walsh, Esmond Thomas ...	Broken Hill, N.S.W.	M.B., B.S. Adel. 1926 ... ..	March 7, 1928
652—Walters, Alexander ... ..	Claremont ... ..	M.B., B.S. Melb. 1922 ... ..	Nov. 1, 1922
543—Ward, Harold Whitfield ...	York ... ..	M.B., B.S. Melb. 1914 ... ..	Sept. 6, 1916
439—Watch, Norman Bennington	New Guinea ... ..	L.R.C.P., L.R.C.S. Edin., L.F.P.S. Glasgow 1906 ; D.P.H.R.C.S. Irel. 1910	April 5, 1911
1136—Waters, Thomas Edward ...	Perth ... ..	M.B., B.S. Melb. 1941 ... ..	June 11, 1941
1013—Watson, Alexander Thurston	Geraldton ... ..	M.B., B.S. Syd. 1933 ... ..	Sept. 1, 1937

## LIST OF PERSONS REGISTERED UNDER THE MEDICAL ACT, 1894—continued.

No. and Name.	Address.	Qualifications.	Date of Registration.
379—Way, Inman ... ..	Boulder ... ..	M.B., B.S. Melb. 1908 ... ..	July 2, 1908
611—Webb, Walter Frederick Swantons	W. Croydon, S.A.	L.R.C.P., L.R.C.S. Edin., L.R.F.P.S. Glasg. 1920 ...	Nov. 3, 1920
287—Webster, Alfred ... ..	Mummballup ... ..	M.B., C.M. Glasg. 1893; M.D. Glasg. 1898 ... ..	May 4, 1904
765—Webster, Allan Bickford ...	Kalgoorlie ... ..	M.B., B.S. Melb. 1926 ... ..	Sept. 7, 1927
858—Webster, Victor Henry ... ..	Perth ... ..	M.B., B.S. Melb. 1930 ... ..	May 7, 1930
334—Weißen, Albert Wallace ... ..	Sydney ... ..	M.B., B.S. Melb. 1904; M.D. Melb. 1907 ... ..	June 6, 1906
757—Welch, Edwin Steuart ... ..	London ... ..	M.B., B.S. Melb. 1926 ... ..	April 6, 1927
895—Wheeler, Reginald John ... ..	North Perth ... ..	M.B., B.S. Adel. 1930 ... ..	March 2, 1932
1165—Whelan, Victor George ... ..	Piniarra ... ..	L.R.C.P., L.R.C.S. Edin., L.R.F.P.S. Glasg. 1941 ...	Mar. 6, 1942
78—White, Arthur Thomas ... ..	Perth ... ..	L. and L.M.R.C.P., L.R.C.S. Edin. 1884; L.A.H. Dubl. 1886	T.
414—White, John Richard ... ..	London ... ..	L.A.H. Dubl. 1879; L.R.C.P., L.R.C.S. Edin. 1882 ...	April 6, 1910
682—White, Walter Percy ... ..	Military Service ... ..	M.B., B.S. Melb. 1924 ... ..	June 4, 1924
893—Williams, Arthur Evan ... ..	Denmark ... ..	M.B., B.S. Adel. 1914 ... ..	Jan. 6, 1932
838—Williams, Basil ... ..	Sydney, N.S.W. ... ..	M.B., B.S. Melb. 1929; F.R.C.S. Edin. 1933 ... ..	Nov. 6, 1929
852—Williams, Martin Frank ... ..	Military Service ... ..	M.B., B.S. Adel. 1928 ... ..	May 7, 1930
941—Williams, Noel Swifte ... ..	Bridgetown ... ..	M.B., B.S. Melb. 1928 ... ..	July 4, 1934
789—Williams, Rhodri Gwyn ... ..	A.I.F. ... ..	M.R.C.S. Eng., L.R.C.P. Lond. 1924 ... ..	May 2, 1928
799—Wilson, Allan Bennie ... ..	South Perth ... ..	M.B., B.S. Melb. 1928 ... ..	Aug. 1, 1928
1030—Wilson, Daniel Christian ... ..	Leonora ... ..	M.B., B.S. Melb. 1937 ... ..	Feb. 2, 1938
890—Wilson, Douglas Rose Campbell	A.I.F. ... ..	M.B., B.S. Melb. 1931 ... ..	Dec. 2, 1931
1109—Wilson, Eric Campbell ... ..	Military Service ... ..	M.B., B.S. Melb. 1940 ... ..	July 3, 1940
1108—Wilson, Harry Herbert ... ..	Military Service ... ..	M.B., B.S. Melb. 1940 ... ..	July 3, 1940
613—Woods, Leslie Samuel ... ..	Albury, N.S.W. ... ..	M.B., B.S. Melb. 1920 ... ..	Dec. 1, 1920
1150—Woods, Raymond Eddington ...	R.A.A.F. ... ..	M.B., B.S. Melb. 1941 ... ..	Nov. 5, 1941
1036—Worner, Kenneth Gordon Patrick	London ... ..	M.B., B.S. Melb. 1936 ... ..	April 6, 1938
786—Wright, Malcolm Maitland ...	London ... ..	L.R.C.S., L.R.C.P. Edin., L.R.F.P. and S. Glasg. 1927 ...	April 4, 1928
482—Yates, Walter Percy ... ..	Busselton ... ..	M.B., Ch.B. Glasg. 1911 ... ..	Sept. 4, 1912
1222—Young, Charles Edward ... ..	Fremantle ... ..	M.B., B.S. Syd. 1944 ... ..	July 14, 1944
845—Young, James Hannabal ... ..	Mt. Hawthorn ... ..	M.B., B.S. Adel. 1929; M.D. Adel. 1937 ... ..	Feb. 5, 1930
524—Yuille, Max ... ..	Melbourne ... ..	M.B., B.S. Melb. 1914 ... ..	Sept. 2, 1914
416—Yule, John Smyth ... ..	East Malvern, Vic. ... ..	M.B., B.S. Melb. 1909 ... ..	April 6, 1910
1202—Zeck, Paul Julian ... ..	Perth ... ..	M.B., B.S. Syd. 1943 ... ..	June 11, 1943
1147—Zilko, Mortimer ... ..	R.A.A.F. ... ..	M.B., B.S. Melb. 1941 ... ..	Oct. 1, 1941

T.—Transferred from old register.

## REGIONAL REGISTRATIONS FOR ONE YEAR UNDER MEDICAL ACT, 1894–1940.

No. and Name.	Address.	Qualifications.	Date of Registration.
1—Schlafbrig, Otto ... ..	Kondinin ... ..	M.D., Vienna, 1931 ... ..	Oct. 1, 1943
2—Samuel, Alfred ... ..	Kununoppin ... ..	M.D., Berlin, 1921 ... ..	Nov. 26, 1943
3—Greer, Charles ... ..	Meekatharra ... ..	M.D., Vienna 1923 ... ..	Mar. 6, 1943

## THE HEALTH ACT, 1911–1942.

Department of Public Health,  
Perth, 21st December, 1944.

## Amendment of Model By-Laws, Series A.

HIS Excellency the Lieutenant-Governor in Council, acting pursuant to section 321 of the Health Act, 1911–1942, has been pleased to amend the Model By-laws, Series A as prepared under the said Act and reprinted with amendments to date in the *Government Gazette* on the 4th day of December, 1944, in the manner mentioned in the Schedule hereunder.

F. J. HUELIN, Under Secretary.

## Schedule.

The abovementioned Model By-laws Series A are amended as follows:—

1. Regulation 4A in Part I is amended by adding thereto a paragraph as follows:—

(3) Laundries facilities shall be contained in a building constructed, as to the walls thereof, with brick, concrete, or wood and iron, and, as to the roof, with tiles, corrugated galvanised iron or other impervious material provided with spouting and down piping. The floor of such building shall be constructed of concrete four inches thick rendered to a smooth surface with 2 to 1 cement mortar and graded 1 in 20 and shall have an area of not less than 50 square feet. The walls of such building shall be not less than eight feet high from the floor level.

## CANCELLATION OF RESERVES.

Department of Lands and Surveys,  
Perth, 24th January, 1945.

HIS Excellency the Lieutenant-Governor in Executive Council has been pleased to approve under section 37 of the Land Act, 1933–1939, of the cancellation of the following reserves:—Corr. 1824/12.—No. 14164 "School-site" (Wellington Location 3303); Corr. 1022/17.—No. 17653 "Schoolsite" (Bokal Lot 3); Corr. 1368/35.—No. 21427 "Public Utility" (Plantagenet Location 5434). (Plan 452C/40, E4.)

G. L. NEEDHAM, Under Secretary for Lands.

## AMENDMENT OF AREA AND BOUNDARIES OF RESERVES 19304 and 2290.

Department of Lands and Surveys,  
Perth, 24th January, 1945.

HIS Excellency the Lieutenant-Governor in Executive Council has been pleased to approve under section 37 of the Land Act, 1933–1939, as follows:—Corr. 464/43.—Of the boundaries of reserve 19304 "Railway Purposes" (Morawa Lots 101, 145 and 146) being amended to include Morawa Lot 174 and of the area being increased by 1 acre 2 roods 4.1 perches; Corr. 137/34.—Of the boundaries and area of reserve No. 2290 (Quarantine—Infectious Diseases Hospital) being amended to include portion of Swan Location 2955 (reserve No. 18044) and of reserve No. 18044 being cancelled accordingly.

G. L. NEEDHAM, Under Secretary for Lands.

**BONNIE VALE TOWNSITE (RESERVE 5566).****Amendment of Boundaries.**

Department of Lands and Surveys,  
Perth, 24th January, 1945.  
Corr. 4204/96.

HIS Excellency the Lieutenant-Governor in Executive Council has been pleased to approve, under section 10 of the Land Act, 1933-1939, of the boundaries of Bonnie Vale Townsite being amended as described hereunder:—All that portion of land bounded by lines starting at the junction of the western side of Johnston street with the southern side of Gem street and extending south 4 chains 82.2 links; thence 131deg. 26min. 4 chains 55.5 links and 140deg. 7 chains 39.4 links; thence east 15 chains 32.5 links to the west boundary of reserve 6226; thence south 5 chains 25 links, east 10 chains 9 links and north 5 chains 25 links passing along part of the west, the south and part of the east boundary of said reserve; thence east 30 chains 27.8 links; thence north 65 chains 50 links; thence west 62 chains 22 links; thence south 10 chains; thence west 40 chains; thence south 27 chains; thence east 38 chains 36 links to the said western side of Johnston street; and thence south 15 chains to the starting point. (Reserve 3703 is hereby cancelled.)

G. L. NEEDHAM, Under Secretary for Lands.

**RESERVES.**

Department of Lands and Surveys,  
Perth, 24th January, 1945.

HIS Excellency the Lieutenant-Governor in Executive Council has been pleased to set apart as Public Reserves the lands described in the Schedule below for the purposes therein set forth.

791/42.

NELSON.—No. 22443 (Schoolsite).—Location No. 11858 (5a.). (Diagram 57970, Plan 415C/40.)

13517/05; Vol. 3.

KOJONUP.—No. 22444 (Water).—Location No. 8759 (97a. 1r. 36p.). (Diagram OP5368, Plan 418/80.)

1491/41.

AVON.—No. 22448 (Schoolsite).—Location No. 27041 (5a. 0r. 1p.). (Diagram 59872, Plan 343B/40, D2.)

G. L. NEEDHAM, Under Secretary for Lands.

**CHANGE OF PURPOSE OF RESERVES Nos. 5655 AND 16129.**

Department of Lands and Surveys,  
Perth, 24th January, 1945.

HIS Excellency the Lieutenant-Governor in Executive Council has been pleased to approve under section 37 of the Land Act, 1933-1939, as follows:—Corr. No. 10437/97.—Of the change of purpose of reserve No. 5655 from "Water" (under Act 57, Viet. No. 20) to "Railway Water Supply"; Corr. 7133/13.—Of the change of purpose of reserve 16129 from "Cemetery" to "Flora and Fauna."

G. L. NEEDHAM, Under Secretary for Lands.

**BUSH FIRES ACT, 1937-1942.**

Permits for Burning Clover, Potato Tops and Flax Refuse.

Department of Lands and Surveys,  
Perth, 24th January, 1945.

Corres. 274/38, Vol. 2.

IT is hereby notified, for general information, that the undermentioned persons are duly authorised, under the provisions of the Bush Fires Act, 1937-1942, and the regulations made thereunder, to issue permits for the purpose of clover burning, burning potato and tomato refuse and of burning flax refuse in the road districts mentioned:—

Road District, Authorised Officer.

Augusta-Margaret River—Isaacs, F.

Harvey—Eckersley, W. R.; Berry, Wm.; Hester, R.; Holthouse, E.; Rice, Jack; George, Arthur; Offer, Reginald; Clifton, Hayward.

Upper Blackwood—O'Sullivan, James (vice W. Cowley).

G. L. NEEDHAM, Under Secretary for Lands.

**APPLICATIONS FOR LEASING OF EASTERN PORTION OF RESERVE No. 1741.****PERTH LAND AGENCY.**

Grazing Purposes Only.

Department of Lands and Surveys,  
Perth, 12th January, 1945.

Corres. 1703/90.

APPLICATIONS for the leasing of about 200 acres of land being the Eastern portion of Reserve 1741 are invited. The abovementioned area will be available for leasing under section 32 of the Land Act, 1933-1939, for a term of one year at a rental of £2 per annum, renewable at the will of the Minister and subject to termination at three months' notice, and no compensation being payable for any improvements effected and existing at the expiration or earlier termination of the lease. Applications for the above, accompanied by one year's rent, endorsed "Application for Eastern portion of reserve 1741 shown on Public Plan 415D/40, C3," and addressed "Under Secretary for Lands" must be lodged at the Lands Department, Perth, on or before Wednesday, the 31st January, 1945. All applications lodged on or before that date will be treated as having been received on that date. (Plan 415D/40, C3.)

G. L. NEEDHAM, Under Secretary for Lands.

**LAND OPEN FOR PASTORAL LEASING.**

Open under Part VI. of the Land Act, 1933-1939.

**WEDNESDAY, 4th APRIL, 1945.**

**PERTH LAND AGENCY.**

Kimberley Division—Dampier District (near Cape Bertholet and Coulomb Point).

Corres. No. 445/34. (Plan 136/300.)

That area of unsurveyed land containing about 190,000 acres, being late forfeited pastoral leases in the following names:—R. S. Kirby—Leases 396/401, 396/610 and 396/424; M. E. Dalglish—Lease 396/418; Streeter & Male, Ltd.—Lease 396/417.

G. L. NEEDHAM, Under Secretary for Lands.

**LAND OPEN FOR SELECTION.**

IT is hereby notified, for general information, that the areas scheduled hereunder are available for selection under Part V. of the Land Act, 1933-1939, and the regulations appertaining thereto, subject to the provisions of the said Act.

Applications must be lodged not later than the date specified, but may be lodged before such date, if so desired.

All applications lodged on or before such date will be treated as having been received on the closing day, and if there are more applicants than one for any block, the application to be granted will be determined by the Land Board. Should any lands remain unselected such will continue available until applied for or otherwise dealt with.

If a Land Board sitting becomes necessary, the applicants for the blocks will be duly notified of the date, time, and place of the meeting of the Board, and there shall be an interval of at least three days between the closing date and the sitting of the Board.

The selector of a Homestead Farm from any location must take the balance thereof, if any, under Conditional Purchase.

All marketable timber, including sandalwood and mallet, is reserved to the Crown, subject to the provisions of clause 18 of the regulations.

**SCHEDULE.****NOW OPEN.****PERTH LAND AGENCY.**

Roe District.

Corr. No. 306/27. (Plan 6/80A & B, 3 & 4.)

Location 240, containing 2,998a. 0r. 32p., at 4s. per acre; subject to Agricultural Bank indebtedness. This cancels the previous *Gazette* notice dated 10/7/1940.

Wellington District.

Corr. No. 1824/12. (Plan 410C/40.)

Location 3303, containing 5a., at 12s. 6d. per acre; available only to adjoining holders.

**WEDNESDAY, 31st JANUARY, 1945.****PERTH LAND AGENCY.**

Williams District (about 2½ miles south of Kulin).

Corr. No. 4343/18. (Plan 377/80, F3.)

Part of Location 9826, containing 135a. 3r. 36p., at 5s. per acre ex survey fee; classification page 18 of 6420/10; subject to the payment of £10 10s. for sub-divisional survey if called upon at a later date; being C. J. McGough's forfeited lease 21349/74.

**WEDNESDAY, 7th FEBRUARY, 1945.****PERTH LAND AGENCY.**

Esperance District (about 18 miles west of Esperance).

Corr. No. 838/44. (Plan 423/80, B3.)

Location 1387, containing about 500a.; subject to survey, classification and pricing; being vacant land adjoining the northern boundary of Esperance location 683.

Fitzgerald District (about six miles north-west of Grass Patch.)

Corr. No. 802/44. (Plan 402/80, B1.)

Locations 269 and 270, containing 1,784a. 1r. 8p., at 3s. 6d. per acre; classification Alkali Sheet 94; subject to Agricultural Bank indebtedness and to a Grazing Lease expiring 8/10/45. This cancels the previous *Gazette* notice dated 28/2/40.

Kojonup District (about 12 miles north-east of Kojonup).

Corr. No. 62/41. (Plan 415B/40, F2; 416A/40, A2.)

Locations 4828 and 4831, containing 654a., at 2s. 3d. per acre; classification page 7 of 2499/20; subject to Agricultural Bank indebtedness and eradication of poison to satisfaction of Minister before Crown grant issues; being R. E. Park's forfeited lease 347/3084.

Ninghan District (about 2½ miles east of Wialki).

Corr. No. 3936/40. (Plan 66/80, F3.)

Location 2754, containing 1,427a. 2r. 2p., at 1s. 9d. per acre; classification page 15 of 4562/27; subject to payment for improvements. This cancels the previous *Gazette* notice dated 28th May, 1941.

Roe District (about 41 miles north-east of Pingrup).

Corr. No. 4100/25. (Plan 406/80, D3.)

Location 457, containing 1,044a. 2r. 1p., at 7s. 6d. per acre; classification page 17 of 7107/22; subject to payment for improvements, if any; being B. D. Waddell's forfeited lease 41554/55.

**WEDNESDAY, 14th FEBRUARY, 1945.****PERTH LAND AGENCY.**

Avon District (about 5 miles south of Hines Hill).

Corr. No. 2414/26. (Plan 25/80, E3.)

Locations 16651 and 23370, containing 164a. 1r. 2p., at 5s. 9d. per acre; classification page 40 of 2414/26; subject to payment for improvements, if any. This cancels the previous *Gazette* notice, dated 2/6/1937.

Avon District (about 5 miles west of Karigarin).

Open under Part V., Sections 47 and 49 only.

Corr. No. 3068/21. (Plan 376/80, D1.)

Location 18708, containing 1,310a., at 2s. 6d. per acre; classification page 77 of 3068/21; subject to Agricultural Bank indebtedness and to a grazing lease expiring 28/2/1945. This cancels the withdrawal notice applying to this block.

Jilbadji District (about 18 miles south of Southern Cross).

Corr. No. 97/38. (Plan 23/80, E2.)

Location 479, containing 1,758a. 2r. 17p., at 5s. per acre, including improvements; being B. Panizza's cancelled application.

Plantagenet District (about 1 mile south of Denmark Townsite).

Open under Part V., Section 54.

Corr. No. 1368/35. (Plan 452C/40, E4.)

Location 5434, containing 8a. 1r. 7p., at £4 per acre.

G. L. NEEDHAM, Under Secretary for Lands.

**LOTS OPEN FOR SALE.**

Department of Lands and Surveys,

Perth, 24th January, 1945.

IT is hereby notified, for general information, that the undermentioned lots are now open for sale, under the conditions specified, by public auction, as provided by the Land Act, 1933-1939, at the following upset prices:—

Applications to be lodged at Perth.

1669/25; Vol. 2.

COWARAMUP—Town, 50, 52 and 53 (1r. 5.3p. each), £12 each; 49 (1r. 5.5p.) and 54 (1r. 4.9p.), £15 each.

10512/11; Vol. 2.

KUKERIN—Town, 3, 5, 21, 22 and 23 (1r. each) and 122 (39.9p.), £20 each; 114 and 121 (39.9p.), 25, 41, 48 and 123 to 127, inclusive (1r. each), £17 10s. each; 26, 27, 30, 42, 43, 46, 47, 51, 54, 61, 62, 70, 71 and 115 to 120, inclusive (1r. each), £15 each; 73, 80, 88, 89 and 96 (1r. each), £12 10s. each; 74 to 79, inclusive, 82 to 85, inclusive, 87, 90 and 92 to 95, inclusive (1r. each), £10 each.

Plans showing the arrangement of the lots referred to are now obtainable at this office and the offices of the various Government Land Agents.

G. L. NEEDHAM, Under Secretary for Lands.

**PUBLIC WORKS TENDERS.**

Tenders, closing at Perth, 2.30 p.m., Tuesday on dates mentioned hereunder, are invited for the following:—

Work:—Northam High School—Additions (9383); 30th January, 1945; conditions may be seen at the Contractor's Room, P.W.D., Perth, on and after Tuesday, 16th January, 1945.

Work:—Lake Varley School—Erection, Removal of North-east Newdegate School (9384); 6th February, 1945; conditions may be seen at the Contractors' Room, P.W.D., Perth, and at P.W.D., Katanning, on and after Tuesday, 23rd January, 1945.

Work:—Bunbury Police Quarters—Repairs and Renovations (9385); 6th February, 1945; conditions may be seen at the Contractors' Room, P.W.D., Perth, and at P.W.D., Bunbury, on and after Tuesday the 23rd January, 1945.

Work:—Mundaring School and Quarters—Repairs and Renovations (9386); 6th February, 1945; conditions may be seen at the Contractors' Room, P.W.D., Perth, on and after Tuesday, 23rd January, 1945.

Work:—Air Conditioning and Ventilation Ductwork, East Ward Wing, Perth Public Hospital (9387); 6th February, 1945; conditions may be seen at the Contractors' Room, P.W.D., Perth.

Work:—East Kimberleys—Drilling at Ord River Dam Site (9388); Thursday, 8th February, 1945; conditions may be seen at the Contractors' Room, P.W.D., Perth.

Work:—Three Springs Police Station—Removal from Youanmi (and addition to existing building) (9389); 13th February, 1945; conditions may be seen at the Contractors' Room, P.W.D., Perth, and at Geraldton on Tuesday, 30th January, 1945.

Work:—Donnybrook School Additions (9390); 13th February, 1945; conditions may be seen at the Contractors' Room, P.W.D., Perth, and at P.W.D., Bunbury, from 30th January, 1945.

Tenders, together with the prescribed deposit, are to be addressed to "The Hon. the Minister for Works, Public Works Department, The Barracks, St. George's terrace, Perth," and must be indorsed "Tender." The highest, lowest, or any tender will not necessarily be accepted.

W. S. ANDREW, Under Secretary for Public Works.

Perth, 25th January, 1945.

**THE ROAD DISTRICTS ACT, 1919-1943.**

List of Persons Authorised to Witness Absentee Votes for Road Boards.

Metropolitan Districts.

District, Name and Place.

P.W. 17/44.

Bayswater.—Wadley, B. (J.P.), South crescent.  
Belmont Park.—McLachlan, D., Guildford road, Redcliffe; Chamberlain, H. T. F., 55 Gloucester street, Victoria Park.

Claremont.—Lord, H., Town Clerk's Office.

Cottesloe.—Sharp, M. H., Town Clerk's Office.  
Fremantle.—Shepherd, J., Town Clerk's Office;  
Stark, J. B. (J.P.), Rottneest; Gordon, R., East View terrace.

Guildford.—Gibbons, L., Town Clerk's Office.  
Gosnells.—Orr, W. R., River avenue, Maddington;  
McCallum, J. A., Land Agent, Albany road, Gosnells.  
Melville.—Baldwin, F. J., Esplanade, Canning Bridge.  
Nedlands.—Brown, W. C., 8 Portland street.

Perth.—Dawson, G. R., 125 Barrack street; McDon-  
ald, J. D. and Easton L., Cecil Building, Sherwood  
Court; Jones, H. W., 459 Hay street; Rattray, E. R.,  
White, A. E., Samuel, G., Smethurst, J., Bancroft, H.,  
Hodgson, N. L., Sandercott, W., Lindsay, G. S., Local  
Government Office; Read, W. R., Victoria Park; Gor-  
don, A. T. M., South; Gamblen, H., South, Fire Station.

Subiaco.—McCormack, E. J., Town Clerk's Office;  
Plater, J. C., 239 Roberts road.

Swan.—Meecham, Mrs. E. M., Caversham; Ferguson,  
D. W., Middle Swan; Goss, Miss E., Road Board Office,  
Midland Junction.

Military Forces.—Adjutant (or officer holding simi-  
lar appointment) of the following units:—5 Aust. Grn.  
Bn.; 10 Aust. Grn. Bn.; 19 Aust. Grn. Bn.; Camp Staff,  
Karrakatta; Camp Staff, Melville; Western Reinf.  
Centre, Northam; 110 (Perth) Mil. Hos., Hollywood;  
118 Aust. Gen. Hosp., Northam; General Details Depot,  
Claremont; 8 Aust. P.W. Gd. Coy. (Marrinup); Fixed  
Defences, Fremantle.

Road Boards.—Secretaries from time to time of all  
Road Boards.

Any person who may from time to time act as Clerk  
of Courts in any of the places listed hereunder:—  
Albany, Beverley, Boulder, Bridgetown, Broome, Bruce  
Rock, Bunbury, Busselton, Carnarvon, Collie, Cool-  
gardie, Cue, Dalwallinu, Derby, Donnybrook, Esper-  
ance, Fremantle, Geraldton, Goomalling, Hall's Creek,  
Kalgoorlie, Katanning, Kellerberrin, Kojonup, Kon-  
dinin, Laverton, Leonora, Manjimup, Marble Bar,  
Meekatharra, Merredin, Midland Junction, Mingenew,  
Moora, Mt. Magnet, Mullewa, Narrogin, Norseman,  
Northam, Northampton, Onslow, Pinjarra, Perth Police  
Court, Perth Local Court, Port Hedland, Ravensthorpe,  
Roebourne, Shark Bay, Southern Cross, Toodyay,  
Wagin, Wickiepin, Wiluna, Wyalkatchem, Wyndham,  
Yalgoo, York.

#### Country Districts.

##### District, Name and Place.

Albany.—Wilkinson, J., Kronkup; Houghton, R.,  
Town Clerk's Office; Hutchinson, W. F., Elleker; Hop-  
son, A. J., Lower Kalgan; Warthwyke, H. G., Napier;  
Playne, R. H., Upper King; Adams, E., Young's Siding.

Armadale-Kelmscott.—Haynes, W. A. B., Armadale;  
Harrison, J., Armadale

Bangalup.—Brierley, Allan (J.P.), Bangalup via  
Cranbrook.

Beacon.—Nixon, James.

Black Range.—Doherty, E. W., Youanmi.

Capel.—Dunkley, H. T., Capel.

Collie.—Simpson, S., Town Clerk's Office.

Cunderdin.—Rhodes, M., Meckering; Yeo, Herbert,  
Meckering; Frearson, W. A., Tammin.

Darling Range.—Anderson, W. H., Maida Vale; Duff-  
Hewison, Mrs., Pickering Brook Post Office.

Denmark.—Williams, R. J., Carmarthen; Wile, W.,  
Groups 138-139; Ravenhill, W. J., Group 116; Holm-  
wood, F. J., Kentdale; Parker, J. H., Kentdale; Chand-  
ler, F. A., Kentdale; Cooper, W. H., Nornalup.

Drakesbrook.—Trickett, R., Farmer, Coolup.

Dumbleyung.—Mitchell, J.

Goomalling.—Royal, I. H., Goomalling.

Harvey Road Board Office.—D. Synott.

Katanning.—Hewson, J. D., Katanning.

Kellerberrin.—Kinlock, W., Postmaster, Baandee;  
Wynne, F., North Baandee; Davies, C. C., Doodlakine;  
Tiller, W. W. A., Doodlakine.

Lake Grace.—Dewar, A. M. W., Lake Grace; Mather,  
J. H., Lake Grace; Hall, S. V., Newdegate.

Manjimup.—Frayne, J. H., Northcliffe; Leeman, F.  
W., S.S.M. Office, Pemberton.

Meekatharra.—Butcher, W. E., Milgun Station;  
Power, G. F., Pastoralist, Mulgool Station; Martin, W.  
C., Pastoralist, Padbury Station; Lee Steere, H. H.,  
Pastoralist, Koonmarra Station.

Merredin.—Kedall, J. H., Merredin; Cameron, J.,  
Merredin.

Moora.—Yelverton, C. N., Bindi Bindi; Johnson,  
T., Postmaster, Coomerdale; Lewis, J. H. (sen.),  
Lyons Camp; Cohen, L., Storekeeper, Miling; Warren,  
L., Postmaster, Walebing; Kelly, H. E., Postmaster,  
Watheroo; Broad, D. B., Postmaster, Round Hill.

Mortigalup via Kendenup.—Bunker, J. F. (J.P.).

Mount Barker.—Harbutt, Thomas Noble, Farmer.

Mount Marshall.—Williams, M. H., Gabbin.

Mukinbudin.—Maddock, N. G., Wilgoyne-Lake

Brown; Sheardown, E. S., Wialki-Bonnie Rock.

Mullewa.—Rumble, N., Tenindewa.

Murray.—Sharp, E. W., Agent, Mandurah.

Northam.—Christmass, G., Town Clerk's Office.

Nullagine.—Sleader, D., Postmaster.

Perenjori.—Summers, F., Farmer, Latham; Gamble,  
D. H., Storekeeper, Maya; Maurice, S. J., Bowgada;  
Wetters, F., Caron; Byne, E., Bunjil.

Preston.—Ecclestone, B., Boyanup; Mosedale, H. V.,  
Lowden; Cooper, J. A., Newlands; Blechmore, C.,  
Noggerup; Jones, T. B., Mumballup.

Rockingham.—Grigg, C.

Victoria Plains.—Smith, W. A., Bolgart; Halse, T.  
H., Calingiri; Clune, J., Gillingarra; Lanigan, A. J.,  
Mogumber; Boreham, A. W., Piawaning; Graves, F.  
P., Waddington; Haines, F. H., Wyening; Duggan, T.  
P., Yericoin.

West Arthur.—Wright, W. M., Road Board Office,  
Darkan; McAlinden—Stapleton, E. J., Secretary, Mc-  
Alinden Progress Association.

Westonia.—Kenworth, C., North Walgoolan; Munsie,  
A. W., Walgoolan.

Wialki.—Richardson, Elsie, Wialki.

W. S. ANDREW, Under Secretary for Works.

#### METROPOLITAN WATER SUPPLY, SEWERAGE AND DRAINAGE DEPARTMENT.

Perth, 22nd January, 1945.

M.W.S. 483/44.

NOTICE is hereby given of the intention of the Min-  
ister for Water Supply, Sewerage and Drainage to  
undertake the construction of the works hereinafter  
described by virtue of the powers contained under the  
provisions of the Metropolitan Water Supply, Sewerage  
and Drainage Act, 1909.

Metropolitan Sewerage—Claremont-Cottesloe District—

Extension to Reticulation Area No. 12, Cottesloe.

Description of Proposed Works.—9in., 6in. and 4in.  
diameter pipe sewers with all manholes and other ap-  
paratus connected therewith.

The locality in which the proposed works will be  
constructed.—Portion of Mosman Park Road District  
described by Horgan and Owston streets and Jimbell and  
Rudwick streets, within the boundaries as described  
hereunder and as shown in blue on Plan M.W.S.S. &  
D.D., W.A. No. 6765.

The purposes for which the proposed works are to  
be constructed.—To connect premises to the main  
sewer for drainage purposes.

The area and the parts of which are intended to be  
drained.—Commencing at a point in the centre of Hor-  
gan street and Jimbell street and proceeding east  
along the centre of Jimbell street to the centre of  
Manning road; thence north along the centre of Man-  
ning road to the centre of Victoria street; thence east  
along the centre of Victoria street to the centre of  
the new street between Manning road and Owston  
street, thence south along the centre of the said new  
street to the centre of Wellington street; thence west  
along the centre of Wellington street to the centre of  
Manning road; thence north along the centre of Man-  
ning road to the centre of Rudwick street; thence west  
along the centre of Rudwick street and Rhodes place  
and along the south boundaries of lots 332 Rhodes  
place and 58 Horgan street to the centre of Horgan  
street; thence north along the centre of Horgan street  
to the point of commencement as shown in blue on  
Plan M.W.S.S. & D.D., W.A. No. 6765.

The times when and places at which Plans, Sections  
and Specifications may be inspected.—At the Office of  
the Minister for Water Supply, Sewerage and Drain-  
age, "The Barracks," St. George's place, Perth, for  
one month on and after the 26th day of January, 1945,  
between the hours of 10 a.m. and 3 p.m.

A. R. G. HAWKE, Minister for Water Supply, Sewer-  
age and Drainage.

THE METROPOLITAN WATER SUPPLY, SEWERAGE, AND DRAINAGE  
ACT, 1909-1941.

By-laws.

Metropolitan Water Supply,  
Sewerage, and Drainage Department,  
Perth, 1st July, 1944.

The by-laws as made under the Metropolitan Water Supply, Sewerage, and Drainage Act, 1909-1941, and published from time to time in the *Government Gazette* on the following dates, namely, the 27th day of January, 1939, the 3rd day of May, 1940, the 15th day of November, 1940, and the 31st day of July, 1942, are reprinted with all amendments up to and including the 31st day of July, 1942, as set forth in the Schedule hereunder.

J. C. HUTCHINSON, Under Secretary.

Schedule.

THE METROPOLITAN WATER SUPPLY, SEWERAGE, AND DRAINAGE  
ACT, 1909-1941.

By-laws.

(Reprinted with amendments up to and including the 31st day of July, 1942, as published in the *Government Gazette* on the following dates, namely, the 27th day of January, 1939, the 3rd day of May, 1940, the 15th day of November, 1940, and the 31st day of July, 1942.)

THE METROPOLITAN WATER SUPPLY, SEWERAGE, AND DRAINAGE  
ACT, 1909.

By-laws.

Metropolitan Water Supply,  
Sewerage and Drainage Department,  
Perth, 20th January, 1939

M.W.S. 100/34.

HIS Excellency the Lieutenant-Governor in Executive Council has been pleased to approve of the by-laws which were duly made by the Minister for Water Supply, Sewerage, and Drainage under the powers conferred by the Metropolitan Water Supply, Sewerage and Drainage Act, 1909, and approved by His Excellency the Lieutenant-Governor in Council on the 17th day of November, 1938, to come into operation from a date to be fixed, coming into operation from the following dates:—Parts I., II., III., IV., V., VI., and VIII. as from the thirty-first day of January, 1939; and Part VII. as from the first day of July, 1939; and also to approve of Divisions (1), (2), (3), (4), (5), (6), (7), and (9) of the existing by-laws being repealed as from the thirty-first day of January, 1939, and Division (8) of the existing by-laws being repealed as from the first day of July, 1939.

GEO. H. LONG,  
Under Secretary.

PART I.

*Interpretations.*

2. "Anti-siphonage Vent" or "Back Vent" means any vent pipe from an individual trap to the open air, or to a main or branch vent pipe having for its purpose the prevention of loss of water seal in the trap.

"Bore," "Diameter" or "Size" in reference to any pipe means the internal diameter thereof.

"Building" means any building used as a work place, residence, place of business, place of amusement, or a place of human habitation, or used for the storage of food intended for human consumption, but does not include outbuildings unless such are used for any of the above purposes or are provided with plumbing fixtures.

"Catchment Area" means all land over, through or under which any water flows, runs or percolates directly or indirectly into any reservoir erected or used by the Minister in connection with any water supply.

"Cesspit" includes any receptacle for night soil or for noxious or offensive matter below or above the ground, but does not include any regulation sanitary pan, or any appliance for the bacteriolytic treatment of sewage, or other approved receptacle.

"Combined Pipe System" means that type of plumbing installation in which disconnector traps are omitted and both soil and waste pipes are connected directly to the drain or to a common pipe taking both soil and waste discharges, and in which a common system of venting is used for all classes of pipe.

"Combined Waste Pipe" means any pipe which receives the discharges from both soil and waste fixtures and conveys the same to the drain. Combined waste pipes are connected directly to the drain and are used only in connection with the "Combined Pipe System."

"Department" means the Metropolitan Water Supply, Sewerage and Drainage Department, Western Australia.

"Disconnector Trap" means a trap for isolating or disconnecting waste pipes from the drain and soil pipes, and for providing inlet ventilation to the waste pipe or pipes discharging into it.

*Gazettes* 27/1/1939, 3/5/1940.

"Domestic purposes" in relation to the supply of water for domestic purposes means the ordinary household purposes for which water is required in or about a

dwelling-house. The term includes the use of water for watering lawns and gardens appurtenant to a dwelling-house and for watering lawns and gardens growing in a street or road adjoining private land upon which a dwelling-house is erected, when such lawns and gardens are grown by or cared for by the owner or occupier of such private land and such lawns and gardens are watered with water which has first passed into such private land through the meter installed thereon by the Minister in connection with the water service on such private land.

The term does not include the use of water for cattle or horses, or for any steam or internal combustion engines or boilers, or for washing carriages or horses, where such carriages or horses are kept for hire or as the property of any dealer, or for any hotel, inn, trade manufacturer or business whatever, or for watering lawns and gardens (other than lawns and gardens of the kind or class previously mentioned in this definition), or for fountains or for any ornamental purpose, or for the cooling of roofs or refrigerating equipment or machinery, or for any form of air conditioning or temperature control, or for use in connection with any form of hydraulic ejector or hydraulic apparatus for power purposes.

"Drain" means every part of any conduit laid through under or upon any street way or land whether public or private by or at the expense of the owner or occupier of any premises for the carriage therefrom of any sewage to any sewer.

"External W.C." means any closet which is entered solely from an area of not less than nine square feet open to the sky.

"Educt Vent" means an opening or pipe for the exit of air from a soil pipe, waste pipe, combined waste pipe or drain.

"Fixtures" mean all apparatus, together with their necessary appurtenances, which may be attached to the plumbing or drainage system of any property, and which are intended for the collection or retention of any wastes or waste waters for ultimate discharge into the Sewerage System, such as closet pans, urinals, baths, sinks, basins, troughs and the like.

"Feeder" means any watercourse, creek, stream, or other channel with either perennial or intermittent flow whereby water can be conveyed to any reservoir.

"Fittings" means all pipes, meters or other apparatus used for or in connection with the supply of water, and all pipes, cisterns, traps, syphons, manholes, ventilators and all other apparatus connected with and requisite to secure the safe and proper working of any sewer, drain, or water supply fixtures.

"Flat" means a suite of rooms used or intended or adapted for use as a separate habitation and comprised in a building containing one or more similar suites.

"High-water Mark" shall mean the level of full supply of any reservoir or feeder thereto.

"Inspector" means any person appointed by the Minister for the purpose of these By-laws or to administer the said By-laws and shall include any person acting in the capacity of ranger of any proclaimed catchment area.

"Interceptor Trap" (or "Boundary Trap") means a trap situated on the drain at some point between the sewer and the lowest inlet to the drain, for the purpose of preventing the passage of air or gases from the sewer to the drain.

"Induct Vent" means an opening or pipe, for the admission of air to a soil pipe, waste pipe, combined waste pipe or drain.

"Internal Closet" means any closet which is entered from or has an opening into any building. Internal closet means any closet other than an external closet as herein defined.

"Piggery" means any building, enclosure, or yard in which one or more pigs are kept, bred, reared, or fattened for purposes of trade (or domestic use).

"Private Service" for the purposes of these By-laws includes all the pipes and fittings, and all connections and apparatus of whatsoever nature or kind, and whether used temporarily or otherwise on any part of any land or building, supplied with water, whether by meter or otherwise, and includes any pipes or fittings the property of the consumer, which are used for conveying water from the mains of the Minister whether situated on the premises of the consumer or otherwise.

"Public House" means any building in respect of which a publican's license, an hotel license, a wine and beer license, or wayside house license is held under any Act regulating the sale of intoxicating liquor.

"Property" for the purposes of these By-laws includes house, building, tenement, land and/or premises.

"Relief Vent" means any vent which is connected below the level of the lowest fixture for the purpose of relieving the main vent.

"Separate Pipe System" means that type of plumbing installation in which separate pipes are provided for soil and waste discharges and for the ventilation of soil and waste fixtures, and in which all waste pipes are connected to the drain through a disconnector trap.

"Sewer" means every part of any conduit through under or upon any street or land whether public or private for the carriage of any sewage not being a drain within the meaning of the Act and these regulations.

"Sewerage Works" means the sewers to which the Act and these regulations extend and all treatment works, pumps, pumping stations and machinery fittings and things connected therewith and all land acquired, held or used by the Minister for the purposes of the Act and these regulations in relation to sewerage.

"Soil Pipe" means any pipe which conveys the discharge from water closets, slop hoppers, urinals, mortuaries, or operating theatres to the drain.

"Slop Hopper" means any fixture, other than a closet pan or urinal, used for the discharge of soil or urine waters and provided with flushing apparatus.

"Stack" means any vertical line of soil, waste, combined waste or vent piping with its offsets if any.

"The Act" means the Metropolitan Water Supply, Sewerage and Drainage Act, 1909, and includes amendment thereof.

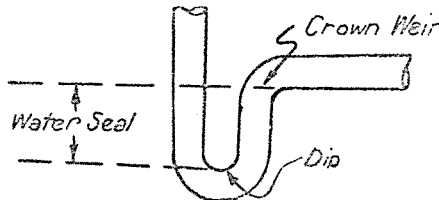


"Trade Waste" means the liquid refuse from any business, trade or manufacturing premises other than domestic sewage, storm water or unpolluted water.

"Trap" means any fitting designed to retain a quantity of water for the purpose of preventing the passage of air or gases through such fitting.

"Waste Pipe" means any pipe which conveys the discharge from any fixture, other than water closets, slop hopppers, urinals, mortuaries, or operating theatres, to a disconnector trap in the case of "The Separate Pipe System" or directly to the drain in the case of the "Combined Pipe System."

"Water Seal" (or "Trap Seal") means the vertical distance between the dip and the crown weir of a trap, as shown in sketch.



"Yard Gully" means a drainage trap which is used externally and fitted with a basin top and grating.

## PART II.

### *Prevention of Pollution of the Catchment Areas.*

#### Scope of By-laws.

3. The By-laws in this Part shall apply to all Water Reserves and Catchment Areas constituted under and for the purposes of the Act.

#### Cleansing and filling up of Cesspools.

4. All cesspools existing on private land situated within a Catchment Area shall be cleansed and filled up by the owner or occupier to the satisfaction of an Inspector, within one calendar month after notice in writing to that effect has been given to such occupier or owner by the Minister.

#### Situation of Closets.

5. Closets shall not be constructed within fifty yards of high-water mark, and any closet situated within fifty yards of high-water mark shall be taken down by the owner or occupier of premises on which it is situated within one calendar month after notice in writing to that effect has been given by the Minister or by an Inspector to such owner or occupier and the cesspit, if such exists, shall be cleansed and a fire made therein, and afterwards filled up to the satisfaction of an Inspector.

#### Provision for sufficient number of Pans shall be made.

6. The owner or occupier of every house situated within a Catchment Area shall provide, for the use of occupants, an earth closet, with a sufficient number of pans approved by an Inspector.

#### Construction of Closets.

7. (a) Every closet within a Catchment Area shall be of stone, iron, wood, brick, concrete, or a combination of such materials, and shall be supplied with a sufficient number of receptacles, which shall be interchangeable with others in the same district, and which shall be of approved size, shape, and style, and every pan shall be emptied and cleansed once every week or as often as may be required by an Inspector.

(b) Each dwelling within a Catchment Area shall be provided with a closet and arinal erected in such position as shall be directed by an Inspector.

(c) The floor and seat of every closet shall be so constructed that the top of the receptacle shall not be more than one inch below the under side of the seat.

#### Removal and Re-erection of Closets.

8. Closets or urinals already in existence shall, whenever considered necessary by an Inspector, be removed to any position directed by him, and such removal or re-erection shall be at the cost of the owner, who shall have the work completed within one calendar month after service of a notice in writing by the Inspector requiring this to be done, provided that the owner may at any time within two weeks after service of such notice appeal to the Minister, whose decision shall be final.

#### Nuisance shall not be caused.

9. The owner or occupier of any house situated within a Catchment Area—

- (a) shall not permit the contents of any pan used in any closet or urinal attached to such house to overflow from any cause whatsoever;
- (b) shall not permit any closet, urinal or pan appertaining thereto, or used by the occupants of such house, to become offensive or a nuisance, and every such owner or occupier, whenever directed, either verbally or in writing, by an Inspector, shall properly and effectively empty and clean such closet, urinal, or pan to the satisfaction of the Inspector.

#### Disposal of Nightsoil, etc.

10. (1) Nightsoil, refuse, and garbage shall be disposed of from time to time as the Minister or an Inspector may direct.



(2) Nightsoil, faecal matter, or refuse shall not be buried within a Catchment Area.

(3) Nightsoil or human urine whether mixed with any other substance or not, or any solution of nightsoil, unless the same has been thoroughly deodorised and disinfected to the satisfaction of an Inspector shall not be placed, deposited, spread, or permitted to be placed, deposited, spread, in or upon any land or garden situated within a Catchment Area, unless written consent thereto has been first obtained from the Minister.

#### Disposal of Manure, etc.

11. Refuse, dung, manure, or other offensive matter shall not be deposited or be permitted to be deposited in any place where, in the opinion of the Inspector such matter may be washed into any reservoir or any feeder.

#### Use of artificial Manures.

12. The owner or occupier of any house, land or premises situated within a Catchment Area shall not use any artificial manure for cultivation purposes, unless the approval of the Minister has been first obtained for the use of the fertiliser intended to be used.

#### Situation, etc., of Out-buildings.

13. (1) No building of any description shall be used or constructed for use as a stable, cowshed, goatshed, sheep-pen, or fowl-house within any Catchment Area.

(2) No animal or bird shall be yarded in such a position within any Catchment Area that storm-waters may wash any manure or refuse therefrom into any reservoir or feeder.

(3) Every building (as aforesaid) within any Catchment Area shall have attached thereto for holding all liquid and solid manure a water-tight receptacle approved by an Inspector.

(4) Every building (as aforesaid) erected on ground sloping towards a feeder shall be surrounded by a trench twelve inches deep and the soil from such excavation shall be deposited in the form of an embankment along the lower side of the trench and such work shall be done by and at the expense of the owner or occupier of such premises.

#### Cleaning of Out-buildings.

14. The owner or occupier of any stable, cowshed, goatshed, sheep-pen, or fowl-house situated within any Catchment Area shall not allow any dung, manure, or other refuse to accumulate in or near such premises, but shall remove or dispose of same to the satisfaction of an Inspector in such manner that it cannot pollute any water flowing, or which may flow into any reservoir or any feeder, and the Inspector may, by written notice to the owner or occupier, order the immediate removal and disposal of any dung, manure, or other refuse from such premises, and any person omitting to comply with such notice to the satisfaction of the Inspector shall be guilty of an offence against these By-laws and be liable to penalties for breach thereof.

#### Deodorants shall be Used.

15. The occupier of every house or premises, whether public or private, situated within a Catchment Area, shall cause to be kept in every closet or privy belonging thereto a box containing either ashes, dry earth, lime, sawdust, carbolic powder, or other disinfectant approved by the Minister or by an Inspector, and shall cause all nightsoil or other matter deposited in such pan or receptacle in such closet or privy to be immediately deodorised or disinfected with a sufficient quantity of the disinfectant kept in such box.

#### Treatment of Nightsoil.

16. Every nightman or contractor shall cause the nightsoil removed from any premises to be either rendered inoffensive or treated in a destructor, desiccator, or incinerator, buried in trenches outside the Catchment Area, or disposed of in a manner approved by an Inspector.

#### Removal of Pans.

17. (1) The mode of removal of pans shall be as follows:—

(a) The nightman shall remove the pan and at once cover the same with a suitable tight-fitting lid.

(b) Upon every such removal the nightman shall carefully replace such pan with a cleansed pan, of a pattern approved by the Minister or an Inspector.

(2) Each pan shall be dealt with as hereinafter prescribed, that is to say:—

(a) It shall be removed by the nightman in a cart or vehicle of a pattern to be approved by the Inspector.

(b) The contents shall be deposited in such place or places as shall from time to time be fixed by the Minister or an Inspector.

(3) Pans shall be emptied and thoroughly cleansed once a week at least or as frequently as the Minister or an Inspector may from time to time direct.

#### Charges for Removal.

18. Every nightman shall be entitled to charge and to receive from the occupier of any premises from which any nightsoil, trade, or house refuse shall have been removed, unless other arrangements be made, such sum or sums of money as may be specified in the contract or approved by the Minister, and shall not ask, demand, or receive more than the sums so specified or approved.

#### Licensing of Nightmen.

19. (1) Nightsoil shall not be removed from any closet, house or premises within the Area except by nightman duly licensed by the Minister.

(2) Individual householders shall not contract for the removal of nightsoil or any other refuse or offensive matter whatever except with a person licensed by the Minister, and in accordance with these By-laws.

(3) The license shall be in the form set forth in Schedule A of these By-laws, and shall be subject to any conditions contained in such license, and to the provisions of the Health Act, 1911-1937, and of these By-laws.

## Penalty for Breach.

20. Any licensed nightman committing any of the acts, neglects or defaults shall be guilty of an offence and shall be liable upon summary conviction to the penalty hereinafter prescribed for any such offence specified hereunder, that is to say:—

- (a) For neglecting to remove any pan at the time and in the manner authorised for the purpose—5s.
- (b) For any and every repetition of such neglect within three months of a neglect in removing any pan—7s. 6d.
- (c) For each neglect to substitute a clean pan for every pan removed—5s.
- (d) For each neglect to place a clean pan in its proper position for use—5s.
- (e) For each neglect to clean or keep deodorised any pan, night cart, or other vehicle—5s.
- (f) For every neglect or failure to properly dispose of nightsoil as soon as it is deposited at the depot—5s.
- (g) For depositing any load, or part of any load, of nightsoil, slops, rubbish, or refuse at any other place than the place appointed by the Minister or the Inspector—£1.
- (h) For neglecting to close the door or gate of any yard or the door of any closet, which was closed when the nightman entered—5s.
- (i) For permitting any night-cart or other offensive vehicle to remain in or pass through a town or any part thereof during prohibited hours—5s.
- (j) For spilling the contents or any part of the contents of any pan within the premises, or at any place other than the depot—5s.
- (k) For neglecting to comply forthwith with any reasonable order of the Minister or the Inspector—5s.
- (l) For any failure to replace any pan when so ordered by the Inspector—5s.
- (m) For any or every neglect to clean soiled pans—5s.
- (n) For allowing any refuse, rubbish, or slops for pigs to be removed in carts or receptacles, or by other than those specially set apart for that purpose—10s.

## Keeping of Pigs.

21. Pigs shall not be kept or be allowed to stray on any portion of a Catchment Area.

## Straying of Animals.

22. Horses, cattle, sheep, goats, ducks, geese, fowls, or other species of livestock shall not be allowed to stray or depasture over any portion of a Catchment Area.

## Keeping of Poultry.

23. Poultry yards or premises for housing of poultry shall be kept at least 25 feet from any dwelling and shall be kept in a clean condition and disinfected at least once a week with lime, ashes, or other suitable disinfectant.

## Abattoirs and Slaughter-Houses.

24. Abattoirs or slaughter-houses shall not be established or conducted in any part of a Catchment Area.

## Removal and destruction of Carcases.

25. In the event of the death or of any accident necessitating the slaughter of any horse, cattle, or sheep, or other animal, the carcase of such animal shall be removed by the owner thereof to a safe distance from high-water mark, of any feeder, or to such place as an Inspector may direct, and the owner shall immediately thereafter dispose of same by burning, to the satisfaction of the Inspector, or if the owner cannot be found, the Inspector may remove and destroy it at the cost of the owner.

## Receptacles for Refuse.

26. (a) The occupier of every house or premises shall provide and keep, in a position approved by an Inspector, such and so many receptacles or boxes of such material and dimensions as may be required by the Minister or the Inspector for the temporary deposit of solid house refuse.

(b) The owner or occupier of such house shall regularly collect all refuse or rubbish from such premises, and place the same in approved receptacles, and shall not permit or suffer such receptacles to overflow or become offensive, and shall, when necessary or directed by the Inspector, thoroughly disinfect the same forthwith.

(c) The owner or occupier of every house or premises to which a receptacle as aforesaid is attached or used shall cause same to be emptied at least once a week, or as often as the Inspector may direct. The owner or occupier of such premises shall keep such receptacle in good repair, and upon notice from an Inspector shall immediately replace by a new and approved receptacle any receptacle that the Inspector may deem worn out or unfit for use.

## Disposal of and Receptacles for noisome Things.

27. Rubbish, filth, blood, offal, manure, slops, soapsuds, urine, water containing urine, or other refuse, noisome things, or matter shall not be deposited or be permitted to be deposited in any part of a Catchment Area, where it may, in the opinion of an Inspector, be carried by storm water into any feeder, and every occupier or owner shall provide and maintain proper water-tight vehicles or receptacles fitted with close-fitting covers or lids, for the purpose of carting or receiving same.

## Location of Vehicles or Receptacles.

28. All such vehicles or receptacles shall be kept in such convenient place to allow of ready removal as may be directed by an Inspector, so as not to be a nuisance to any person, and shall be kept in a thoroughly sanitary condition, and removed at least once every week, and cleansed and disinfected both inside and out.

## Reserve for Rubbish, etc.

29. Foul or offensive water or other offensive liquid, or refuse, garbage, sweepings, or other offensive matter or thing, shall not be pumped, emptied, or swept, thrown, or otherwise discharged or deposited into or upon any street, lane, yard, vacant land, or other place, whether public or private, within a Catchment Area other than the place set apart by the Minister or the Inspector for that purpose.

## Pollution of Streams, etc.

30. Bathing or washing of clothes or other articles in any stream, reservoir, aqueduct, or other waterworks within a Catchment Area shall not be permitted, nor shall any person wash, throw, or cause to enter therein any dog or other animal, or throw or convey, or permit to be conveyed or thrown therein any rubbish, dirt, filth, dead animal or other noisome thing.

## Entry Private Premises by Officers of Minister.

31. It shall be lawful for an Inspector, or any assistants acting under the directions of an Inspector, or other authorised officer, at his discretion, at any reasonable hour, with or without notice, to enter any land, house, or premises for the purpose of ascertaining whether any act or thing is being done or permitted within such land, house or premises in breach of these By-laws, and to remove, or cause to be removed, anything therein or thereon in breach of these By-laws, or to take such steps as he may deem necessary for carrying out these provisions. The cost of such removal or such other necessary act shall be borne by the owner or occupier of the premises upon which such breach shall occur.

## Period for compliance with Notices.

32. Unless otherwise provided, the time which may elapse between the giving of a notice and the doing of a thing required to be done by any Inspector or other authorised officer shall be determined by the Minister according to the nature of each case.

## Cutting of Timber.

33. Any person, whether in possession of a timberecutter's license or not, shall not cut or hew timber on any Catchment Area unless authorised to do so by the Minister.

## Shooting, Hunting and Fishing Prohibited.

34. No person shall picnic, camp, light fires, shoot, hunt any game, or angle for or catch any fish within any Catchment Area.

## PART III.

*Protection of Water, Grounds, Works, etc., from Trespass and Injury.*

## Trespassing Prohibited.

35. No person shall trespass within the fenced-off ground adjacent to or reserved for Water Supply, Sewerage, or Stormwater Drainage Works, nor enter without proper authority any Water, Sewerage, or Stormwater Drainage Work not open to the public.

## Camping and lighting of Fires.

36. No person shall camp or light any fire within the vicinity of any reservoir except on land set apart for such purposes or light any fire on any other reserve or fenced-off land.

## Protection of Flora, Shrubs etc.

37. No person shall remove, pluck, or damage any wildflower, shrub, bush, tree, or other plant, growing on any land or reserve vested in the Minister, within half a mile of any reservoir.

## Dogs Prohibited.

38. No person shall permit any dog of which he is the owner to trespass on any portion of the ground in the vicinity of any water, sewerage, or stormwater drainage works.

## Disposal of Refuse, etc.

39. No person shall leave loose paper or other refuse on any portion of the grounds in the vicinity of any reservoir or works, except in the receptacles provided therefor.

## Posting or Distribution of Bills, etc.

40. No person shall post or distribute bills, advertisements, or other notices on any portion of any reservoir or works, or on any portion of the works or ground in the vicinity thereof.

## Nuisances.

41. No person shall commit a nuisance on any portion of the grounds in the vicinity of any reservoir or works.

## Protection of Pipes.

42. No person shall drive take or ride any vehicle, conveyance, or animal in such manner as to endanger the main conduit or any branch thereof, or permit such vehicle, conveyance or animal to cross the same except where crossing places have been provided as indicated by signboards.

## Protection of Works from injury.

43. No person shall in the vicinity of any works carry on or cause to be carried on any mining or quarrying operation, or make any excavation of any sort, or cause any explosion so as to injure any waterworks, sewerage works, sewers, drains, pipes, or fittings whatsoever.

## PART IV.

*Licenses and Permits.*

Water Supply Plumbing Works shall be done only by Licensed Plumbers.

44. No person shall carry out any work in connection with the water supply or apparatus connected therewith, unless he shall have been duly licensed by the Minister as a "Licensed Water Supply and Sanitary Plumber" or as a "Licensed Water Supply Plumber."

Sewerage or Drainage Work shall be done only by Licensed Water Supply and Sanitary Plumbers.

45. No person shall carry out any work in connection with sewerage or drainage on any premises or in connection with any fitting or apparatus connected therewith unless he shall have been duly licensed by the Minister as a "Licensed Water Supply and Sanitary Plumber."

Penalties for doing Work without a Water Supply or Sanitary Plumber's License.

46. Any person who contravenes either of the two preceding By-laws, shall be guilty of an offence and liable on conviction to a penalty not exceeding ten pounds.

*Description and Scope of Licenses.*

47. The conditions upon which licenses will be issued by the Minister are:—

- (a) The Minister may grant licenses to Water Supply and Sanitary Plumbers and to Water Supply Plumbers on condition that the certificate of a Board of Examiners appointed by the Minister has been obtained, the prescribed payment made, and provided that he is satisfied that the applicant is a fit and proper person to hold a license and is more than 21 years of age.
- (b) Such licenses shall be issued subject to the By-laws or any special conditions that the Minister may consider desirable.
- (c) The holder of a Water Supply and Sanitary Plumber's License may carry out any water supply or sewerage plumbing or drainage work within the Metropolitan Water, Sewerage, and Drainage Area, and only plumbers holding such licenses shall do or cause to be done plumbing or drainage work within areas open for sewerage house connections.
- (d) The holder of a Water Supply Plumber's License may carry out water supply work only outside any area open for sewerage house connections.

*Conditions of License.*

48. (1) Every holder of a license from the Minister:—

- (a) shall execute such works in accordance with the provisions of the Act and of these By-laws, and of any special directions or orders given or issued by the Department; and
- (b) shall execute such works in a thorough and tradesmanlike manner to the satisfaction of the Department as expeditiously as practicable; and
- (c) shall on actual sewerage plumbing work, but not including drains employ only such certificated operatives as provided for in By-law 58; and
- (d) shall obtain permission from the person or authorities concerned when necessary for the execution of such works on, over, or through any private property, or any streets, roads, parks, reserves, or other public places or properties; and
- (e) shall pay any fees demanded by any Municipality or other local authority for opening any street, road, or thoroughfare, or otherwise in connection with such work; and
- (f) shall restore any part of any street, road, or thoroughfare interfered with by such work to the satisfaction of the local authority having control thereof, upon the completion of such work; and
- (g) shall restore any other property interfered with by such work to the satisfaction of the Department's Inspector; and
- (h) shall, in the execution of such work, take such proper and necessary precautions that no accident or damages or unnecessary inconvenience may be directly or indirectly occasioned thereby.

(2) Every license granted by the Minister shall be subject to suspension or cancellation, as the Minister may determine when, in the opinion of the Minister, the holder thereof has failed to comply with the conditions of such license. Such suspension or cancellation shall not prejudice the Department's right to take any other proceedings against the holder of such license which the Department is by law authorised to take.

*Examination—Water Supply and Sanitary Plumbers.*

49. Subject to the provisions of these By-laws every applicant for a License as a Water Supply and Sanitary Plumber shall pass an examination set by a Board of Examiners appointed by the Minister in the following subjects, namely:—

- (a) All branches of the plumber's trade, including a knowledge of all materials used by the plumber or drainer.
- (b) Water supply, sewerage and drainage work, including the proper disposal of pipes, fittings, etc., for hot water installations.
- (c) A knowledge of these By-laws, and the construction of all water supply and sewerage apparatus and appliances required thereby; and a knowledge of the By-laws of Local Authorities in the Metropolitan Water Supply, Sewerage, and Drainage Area.
- (d) The general principles of sanitary and water supply plumbing work.
- (e) Every candidate shall satisfy the Board of Examiners as to his practical ability as a sanitary plumber and drainer and that he has served not less than five years at the trade and may be required to submit samples of work done by himself, and also to do any plumbing or drainage work which may be required by the Examiners.

Candidates holding Licenses from other Authorities.

50. Candidates holding licenses issued by other authorities may be exempted from such portions of the examination as the Minister may think fit.

Examination—Water Supply Plumbers.

51. Subject to the provisions of these By-laws every applicant for a Water Supply Plumber's License shall pass an examination by a Board of Examiners appointed by the Minister in the following subjects, that is to say:—

- (a) A knowledge of that branch of the plumber's trade relating to water supply.
- (b) Water supply work, including the proper disposal of pipes, fittings, etc., for hot water installations.
- (c) A knowledge of these By-laws as applied to water supply plumbing.
- (d) The general principles of water supply plumbing work.
- (e) Every candidate shall satisfy the Board of Examiners as to his practical ability as a water supply plumber and may be required to submit samples of work done by himself, and also to do any water supply plumbing work which may be required by the Examiners.

Candidates holding Licenses from other Authorities.

52. Candidates holding licenses issued by other authorities may be exempted from such portions of the examination as the Minister may think fit.

Annual Fee for License.

53. A fee of ten shillings shall be payable for every Water Supply and Sanitary Plumber's License or Water Supply Plumber's License except when such license is granted after the 31st day of December in any year, in which case the fee shall be five shillings.

Renewal of Licenses.

54. Licenses issued by the Minister under these By-laws shall be current only from the 1st July to the 30th June in the next succeeding year, and water supply sanitary plumbers and water supply plumbers shall apply for a renewal and pay the necessary fee before the expiry of the year for which their existing license is current.

List of Licensed Plumbers shall be Published.

55. A list of licensed water supply and sanitary plumbers and water supply plumbers shall from time to time be published at the office of the Minister.

Penalties for Breaches of By-laws by Plumbers.

56. (a) Any licensed water supply and sanitary plumber or water supply plumber who shall refuse either by himself or by those employed by him to give any needful or proper information required by an officer of the Department shall be guilty of an offence and liable on conviction to a fine not exceeding Twenty pounds.

(b) Any licensed water supply and sanitary plumber or water supply plumber who commits a breach of any of these By-laws may be required by the Minister to show cause why his license should not be suspended or cancelled.

(c) Any water supply and sanitary plumber or water supply plumber whose license has been suspended shall not be relicensed as a licensed water supply and sanitary plumber or water supply plumber until the term of his suspension has expired, or the Minister has directed the reinstatement of his license.

Notices, Applications, Permits, and Inspection of Works.

57. (1) Applications for permission to undertake work in connection with water supply, sewerage, or drainage or the extension or alteration or replacement thereof shall be made in writing on the prescribed form by the owner or occupier of any tenement. If approved by the Department a permit will be issued to the owner or occupier, and in the case of minor alterations and additions which in the opinion of the Engineer do not require a departmental plan to a licensed plumber nominated by the owner or occupier.

(2) Any person licensed as a water supply and sanitary plumber may perform any specified work in connection with water supply, sewerage or drainage work, for which a permit has been issued by the Department, in any area whether severed or unsewered.

(3) Any person licensed as a water supply plumber may perform any specified work in connection with water supply work for which a permit has been issued in any unsewered area.

(4) No person shall perform any work as aforesaid unless a permit has been issued by the Department covering such work. Where the permit has been issued to the owner or occupier it must be sighted by the licensed plumber who shall give not less than 48 hours' notice to the Department of his intention to commence the work.

In no case shall any water pipes, drains, or apparatus in connection with water supply, sewerage or drainage be used until the said work shall have been inspected, and tested by the said officer, and certified by him on the prescribed form. No underground or enclosed work shall be covered up or concealed from view until the same shall have been duly inspected and passed by the Inspector, and for this purpose the licensed plumber shall immediately report any work which is ready for inspection or test, and every facility shall be afforded to such officer for making such inspection or test.

(5) Such permit shall be issued by the Department, subject to the following conditions:—

- (a) That a duly licensed water supply and sanitary plumber or water supply plumber, as the case may be, shall be employed to carry out the work for which the permit is issued.

- (b) That the application has been made at least seven days prior to the date such work is to commence.
- (c) That the information as required on the Department's application form has been supplied.
- (d) That the application has been signed by the owner or occupier and in the case of minor alterations or additions by the licensed plumber who is actually engaged to carry out the work referred to in the notice.

Any licensed plumber signing an application for work which is not actually done either by himself or by a person employed under his direct supervision shall be guilty of an offence and shall be liable to have his license suspended or cancelled.

- (e) That the fees as prescribed in these By-laws have been paid to the Department.
  - (f) That only work described on the permit shall be executed.
  - (g) That if any further work shall be required in addition to that covered by the original permit an additional permit shall be obtained.
  - (h) Provided that in extreme cases where water is wasting, pipes are choked, or property is being damaged the work may be put in hand at once, but a permit shall be applied for by the licensed plumber who carried out the work as soon thereafter as possible.
- (6) If any person shall execute work unless the proper notice has been given to and the permit obtained from the Department, the Department may in addition to exercising any other remedy, charge to and recover from such person an inspection fee in connection with such work.

Persons authorised to carry out Plumbing Work under the direction of a duly Licensed Sanitary Plumber.

58. No person shall be employed upon actual plumbing work in connection with sewerage installations unless he complies with the following conditions, where such are applicable:—

- (1) That he has passed the practical examination for Water Supply and Sanitary Plumbers (as defined in By-law 49) and possesses a certificate from the Department that he is authorised to execute work of a plumbing nature only.
- (2) That he has prior to 1st October, 1938, been employed under a licensed plumber and has satisfied the Board of Examiners as to his tradesmanship and knowledge of practical plumbing, and possesses a certificate to that effect.
- (3) That he is a duly registered licensed plumber's apprentice.
- (4) That he is in possession of a provisional certificate from the Minister allowing him to work at the trade of sanitary plumbing and draining under the immediate supervision of a licensed sanitary plumber, but such provisional certificate shall not continue in force for longer than a period of 12 months.

Registration of Certificates of Persons provided for in By-law 58.

59. A record shall be kept at the Department's Head Office of all persons registered under By-law 58.

Delay in Work.

60. Licensed plumbers shall execute any work they undertake with reasonable despatch; and any inconvenience to the public or the Department caused by licensed water supply and sanitary plumbers or water supply plumbers by unnecessary delay in carrying out work shall be rigorously dealt with.

Damage to Pipes shall be Reported.

61. Damage caused by licensed water supply and sanitary plumbers or water supply plumbers or their employees to water, sewer, gas, or other pipes shall be reported forthwith to the authority concerned, and immediate steps shall be taken to have repairs effected, and the cost of same shall be defrayed by such plumber.

Deposit and Statement.

62. Prior to issue of the license, the person to whom the same is to be issued shall deposit with the Minister a sum of five pounds, which shall be retained during the currency of the license as security for the proper performance of all work done by him, and shall sign a statement that he accepts such license subject to and in conformity with the conditions thereof and with these By-laws and that he will conform and comply therewith.

Deductions from Deposit.

63. The Minister may deduct from such deposit the expense incurred by the Department in making good any bad or incompleting work of the licensed water supply and sanitary plumber or water supply plumber or his workmen, and so often as any amount is so deducted the licensed water supply and sanitary plumber or water supply plumber shall make good the deposit to the sum of five pounds, and in default his license may be suspended or cancelled by the Minister.

Change of Address shall be Notified.

64. Every licensed water supply and sanitary plumber or water supply plumber shall, within forty-eight hours of any change in his address, give notice in writing thereof to the Minister.

PART V.

Water Supply Plumbing.

Specification of Pipes, Fittings, and Apparatus for Private Services.

65. In connection with the laying down, maintenance, alteration, or repair of every private service, the following conditions shall be observed by the owner or occupier of the premises:—

- (1) Except with the written consent of the Department only piping, fittings, and apparatus of approved quality or that conforming to the Australian Standard Specification and tested and stamped by the Department, shall be used for services whether outside or inside the building line.
- (2) All pipes and fittings shall be of lead, wrought or malleable iron, copper, brass, cast iron, cement asbestos, or other approved material provided that in any special case the Minister may give approval for the use of wooden pipes subject to such conditions as he may think fit. Where galvanised wrought iron pipes and fittings are used they shall be true in section, of uniform thickness, perfectly smooth on the inside and properly galvanised internally and externally.
- (3) A charge shall be made by the Department for testing and branding all pipes, fittings, and apparatus to be used in connection with water supply plumbing work.
- (4) Where lead pipes are used they shall be of drawn lead of equal thickness throughout, and of at least the respective weights following, viz.:—

Diam. in inches.	Lbs. per yard.
$\frac{3}{8}$ inch	5
$\frac{1}{2}$ inch	6
$\frac{3}{4}$ inch	9
1 inch	12
$1\frac{1}{4}$ inches	16
$1\frac{1}{2}$ inches	20

- (5) Where wrought iron tubes are used they shall be butt welded or solid drawn of regular section with British standard thread and of the following weights:—

Diam. in inches.	Lbs. per foot.
$\frac{1}{2}$ inch	.891
$\frac{3}{4}$ inch	1.262
1 inch	1.825
$1\frac{1}{4}$ inches	2.581
$1\frac{1}{2}$ inches	3.215
2 inches	4.093
$2\frac{1}{2}$ inches	5.705
3 inches	6.741
4 inches	8.820

- (6) Cast iron pipes shall conform to the Department's standard specification for cast iron pipes for water supply.
- (7) Cement asbestos pipes shall conform to the Department's specification for asbestos cement pipes.

Australian standard to apply where applicable.

- (8) Copper or brass pipes suitable for screwed connections:—

Nominal Bore Pipe.	Nominal Outside Diameter.	Actual Outside Diameter.	Wall.	Thick-ness.	Inside Dia-meter of Tube.	British Standard Pipe Thread.	Number of Threads per inch.	Wall Thick-ness at root of Thread.	Calcu-lated Weight.
in.	in.	in.	S.W.G.	in.	in.	in.		in.	lb. per lin. ft.
$\frac{1}{8}$	$\frac{3}{8}$	.381	16	.064	.253	$\frac{1}{8}$	28	.042	.25
$\frac{1}{4}$	$\frac{1}{2}$	.515	14	.080	.355	$\frac{1}{4}$	19	.048	.42
$\frac{3}{8}$	$\frac{3}{4}$	.822	13	.092	.638	$\frac{3}{8}$	14	.048	.81
$\frac{1}{2}$	$1\frac{1}{8}$	1.038	13	.092	.854	$\frac{1}{2}$	14	.048	1.05
$\frac{3}{4}$	$1\frac{3}{8}$	1.289	12	.104	1.081	$\frac{3}{4}$	11	.056	1.49
1	$1\frac{5}{8}$	1.630	12	.104	1.422	1	11	.056	1.92
$1\frac{1}{4}$	$1\frac{7}{8}$	1.862	12	.104	1.654	$1\frac{1}{4}$	11	.056	2.21
$1\frac{1}{2}$	2	2.335	11	.116	2.103	$1\frac{1}{2}$	11	.064	3.12
2	$2\frac{1}{8}$	2.948	11	.116	2.716	2	11	.064	3.97
$2\frac{1}{2}$	$2\frac{3}{8}$	3.456	10	.128	3.200	$2\frac{1}{2}$	11	.072	5.15

- (9) Copper or brass pipes suitable for expanded compression couplings:—

Nominal Bore of Pipe, inches.	External Diameter, inches.	Wall Thickness S.W.G.	Calculated Weight, lb. per lin. ft.
—	$\frac{1}{4}$	19	.10
$\frac{1}{2}$	$\frac{1}{2}$	19	.22
$\frac{3}{4}$	$\frac{3}{4}$	18	.41
1	1	18	.55
$1\frac{1}{4}$	$1\frac{1}{4}$	16	.92
$1\frac{1}{2}$	$1\frac{1}{2}$	16	1.11
$1\frac{3}{4}$	$1\frac{3}{4}$	16	1.31
2	2	16	1.50
$2\frac{1}{2}$	$2\frac{1}{2}$	14	2.34
3	3	14	2.83
$3\frac{1}{2}$	$3\frac{1}{2}$	12	4.28
4	4	12	4.91

- (10) Tees, thimbles, bends, reducing couplings, plugs, etc., shall be of the best material and manufacture, true in section, regular, and of equal thickness, properly and truly cut with the British standard thread, perfectly sound and new, and free from all defects.  
The tees, bends, tubes, etc., shall be capable of withstanding a hydrostatic pressure of 300 lbs. per square inch, shall be tested to this pressure by the duly authorised officer, and shall conform otherwise to the British standard specification existing at the time.
- (11) All joints between pipes, tees, bends, thimbles, couplings, elbows, and cocks, etc., shall be made with flax or other approved jointing material. All joints on lead pipes shall be of the kind known as "wiped joints," and all connections between lead and iron water pipes shall be made with brass couplings and wiped joints.
- (12) No pipe or other apparatus shall be laid through any sewer, drain, ashpit, cistern, or manure bin, or through, in, or into any place where, in the event of the pipe becoming unsound, the water conveyed through such pipe would be liable to be polluted or to escape without observation, unless such pipe or apparatus be laid through an exterior approved iron pipe or box of sufficient length and strength to afford due protection to the same and to bring any leakage or waste within easy detection.
- (13) All taps, stop-cocks, ball-cocks, valves, other fittings or apparatus used in connection with the supply of water shall be of approved types and capable of withstanding a pressure of 300 lbs. per square inch, and shall be tested and stamped by the duly authorised officer of the Minister before being fixed.
- (14) No valve or cock or apparatus of any description shall be permitted unless the construction of the same is such that a rise in pressure of not more than 10 lbs. per square inch shall occur when the valve, cock, or apparatus is closing.
- (15) Every cistern and tank shall be provided with an equilibrium ball valve and stop-cock, and the overflow pipe shall be laid and fixed in a suitable manner, so as to discharge in some conspicuous place open to inspection.
- (16) No service pipe on private property below the ground surface shall be laid at a less depth than 18 inches, unless otherwise approved by the Minister.
- (17) No part of any service shall communicate directly with any vessel (other than approved apparatus for heating water for domestic purposes), except with the written permission of the Minister.
- (18) No part of any service shall communicate directly with any steam boiler or other vessel used for generating steam, or with any other vessel, in such manner that noxious liquids or gases can return into the main or service pipes.
- (19) Every water closet, urinal, slop hopper or other fixtures as directed by the Minister shall be supplied from the service pertaining to the building through an approved waste-preventing apparatus. No service pipe shall communicate directly with the fixture, or otherwise than with the cistern.
- (20) Unless otherwise approved by the Minister, the outlet of every fixture, such as baths, lavatory basins, kitchen sinks, etc., shall be distinct from and unconnected with the inlet, and the inlet shall be placed at least one inch above the highest water level of such fixtures. The outlet of every fixture shall be provided with a perfectly water-tight plug, and shall be constructed so as to prevent a waste of water.
- (21) Projection pieces between a bib tap and fitting on the end of a horizontal water service pipe shall not be permitted unless so supported as to prevent the pipe and tap swinging downwards.
- (22) All taps over fixtures shall be so arranged that any drips from same will fall within the fixture.
- (23) Stand pipes not secured to buildings shall be securely fixed to an approved support fixed in the ground.
- (24) Pipes shall be secured to woodwork by means of approved galvanised clips and screws and to concrete, stone or brickwork with approved galvanised hooks or bolted clips.
- (25) Pipes shall be laid in a straight line and where change of direction occurs under ground bends shall be used.
- (26) In all cases where a water service pipe is attached to a cistern, lavatory basin, or any other plumbing fixture when directed by the responsible officer, the connection shall be made by means of an approved lead or annealed copper connection between the fixture and supply pipe, the length of which shall not be less than 15 inches over all.
- (27) Automatic siphons, etc.:—No person shall fix any water ejector, automatic siphon, or other water power pumping appliance to the Minister's supply without the permission in writing of the Department being first obtained. If approved, such apparatus shall be fixed only under such conditions as the Department shall notify in writing.

#### Maintenance of Private Services.

66 (a) The owner or occupier for the time being of any property supplied with water shall at his own risk and expense lay down his private service and keep it in good order and repair, in such a manner as to conform with the provisions of these By-laws.

(b) The service pipe or apparatus within the boundary of the property being the property of the owner or occupier of the property supplied by such service pipes or apparatus the occupier (if any) and if none, the owner shall, upon receiving notice that his service pipe or apparatus requires repairing, or is blocked up or broken, immediately proceed to repair the same by employing a licensed plumber, subject to the provisions



of these By-laws, and he shall be responsible for any loss of water or other damage which shall be caused by reason of such service pipe or apparatus being leaky or otherwise out of repair or broken, and, in default, be liable on conviction to a penalty not exceeding ten pounds, and, in the event of continuing the offence, to a further penalty of two pounds for each day after receipt of such notice, and the Minister may stop the water from flowing into such premises, either by cutting off the service pipe, or otherwise, as the Minister may see fit, until the necessary repairs shall have been effected.

(c) Without prejudice to the right of the Minister to proceed for any penalty for the breach or non-observance of any of the provisions of this By-law, the Minister may cut off the supply of water to any premises whereon the private service or any part thereof is not at all times laid, fixed, used or maintained in all respects in accordance with the provisions of the said By-law, and may keep the same cut off until such provisions have been fully observed.

Interference within three feet of Stop-Cock.

67. Licensed plumbers or other persons shall not, under any circumstances, disconnect the joints from the meter. No branch shall be taken off the service pipe within a distance of three feet on the consumer's side of the Departmental stop-cock, or meter.

## PART VI.

### *Sewerage—Plumbing and House Connections.*

Procedure for connections to Sewer.

68. When a sewer is completed and ready for use, action may be taken under sections 59 and 60 of the Act.

Proof of Connections having been made.

69. The certificate of such officer as the Minister may appoint, in writing, shall be *prima facie* evidence that water-closet or water-closets, or drains, appliances, apparatus and connections have been provided, or the works, matters, and things have been performed, as the case may be, and *prima facie* evidence as to the amount of costs, expenses, and interest recoverable in respect thereof.

Work carried out under System of Deferred Payment.

70. If any owner wishes to avail himself of the provisions of the Act regarding deferred payments, and the Minister has approved of his doing so, he shall sign an agreement to pay the costs incurred by the Minister in relation to such works, in not more than twenty-four quarterly instalments, with interest at the prescribed rate per annum on the amount remaining to be paid added to each instalment. But the said owner may at any time pay to the Minister such portion as then remains unpaid of such costs and expenses, together with interest thereon, at the said rate, to the date of such payment. In the event of any of the instalments or interest not being paid within fourteen days after the due date thereof, the whole amount then unpaid shall, if the Minister so desires, become due, payable and recoverable with interest as prescribed by the said principal or any amending Act.

Maintenance by Minister.

71. In the event of the Minister carrying out the work or providing such water closet or water closets and such drains, appliances, apparatus, and connections, the owner or occupier is legally liable for the cost of repairs and maintenance, but the Minister shall, for a period of twelve months from the date of completion of the said work, and without charging the owner or occupier therefore, carry out any work of maintenance and repair which in the opinion of the Minister is necessary, and which is not, in the opinion of the Minister, occasioned by any neglect or wilful act of the owner or occupier.

Fees for Plans of Drainage.

72. Drainage plans may be obtained from the Minister upon application and on payment of a fee as prescribed hereunder:—

1. Plan of drainage, including survey, etc., for every house or building, a minimum charge of 15s. and additional charge of 7s. 6d. for every water closet or slop hopper more than one, and 10s. for each urinal outlet, and 2s. 6d. for each plumbing fixture or range of fixtures in or appurtenant to such house or building.
2. In case of additional water closets or slop hoppers, the fee shall be 7s. 6d. per fixture; in the case of additional urinals, the fee shall be 10s. per outlet. In all other cases the fee shall be 2s. 6d. per plumbing fixture or range of fixtures, but a minimum charge of 5s. shall be made for any alteration or addition to the plan.
3. Copies of drainage plans shall be supplied on payment of a fee of 2s. 6d.; where five fixtures or under are installed, and a fee of 1s. for each additional five fixtures or part thereof.

Plan to remain the Property of Owner.

73. The plan supplied by the Minister shall be produced, whenever required during the progress of the work, to an Inspector or other officer of the Minister. Any special instruction which may be written on the plan shall be strictly adhered to.

Notice and Plan of intended new Building or Additions, etc., to existing Building.

74. Every person intending to erect a building, or rebuild, or to make any addition or alteration to any building adjacent to the Minister's sewers shall give to the Minister at least seven days' notice of such intention, and with such notice shall submit for approval plans and sections of such intended building, or additional alterations, drawn to a scale of not less than one inch to every sixteen feet, showing the position of proposed fixture and approaches thereto. And provided that, when required by the Minister, enlarged details to such scale as instructed shall be supplied.

## Work incidental to Sewerage Installations.

75. Any work of a structural nature in connection with a new building and additions or alterations to existing building, which is not part of the actual plumbing and/or drainage installation but which is necessary in order to conform with these By-laws must be carried out by the owner. This provision applies to lighting, ventilation, approaches and floors to water closets, slop hoppers, urinals, baths and similar conveniences.

## Use of Drains.

76. The owner and/or the occupier of any sewered property shall discharge into the sewerage system all faecal matter, urine, household slops, and household liquid refuse from such property and such other polluted water from stables, washing areas, manure bins, basements, cellars, and roofed yards and, subject to these By-laws in regard thereto, such trade wastes as may be authorised under the hand of the Minister.

## Infectious Disease.

77. Solid or liquid discharge from patients suffering from typhoid fever or any other infectious or contagious disease shall not be emptied into any sewer or drain from any hospital, institution, or other private or public building, unless such discharge has been thoroughly disinfected.

## Prohibited Discharges.

78. The deposition or discharge of any of the following substances into any drain or into any sewer shall be an offence against these By-laws, viz.:—

- (a) Any animal matter, other than as mentioned in By-law 76, fleshing, wool, hair, dead animal, grease, dust, ashes, rubbish, garbage, offal, vegetable and fruit or their parings, rags, oil, fat, mud, sand, gravel or like substance, or any other substance, which is, in the opinion of the Minister, liable to be injurious to any part of the sewerage system or to employees of the Department engaged in the operation or maintenance of the same.
- (b) Any petrol or other inflammable or explosive substance, whether solid, liquid, or gaseous.
- (c) Any rain, roof, surface, river, or floodwaters, except by special permission in writing under the hand of the Minister.
- (d) The contents of any nightsoil cart, cesspool or privy unless special permission in writing under the hand of the Minister is obtained.
- (e) Any trade waste or any substance which has an acid reaction to litmus paper.
- (f) Any trade waste which is above the temperature of 100 degrees Fahrenheit, or such lower temperature as may be prescribed by the Minister, having regard to the special circumstances of any particular case.
- (g) Any liquid which contains such percentage of common salt, or of any other mineral, salt, acid, or gas, as is, in the opinion of the Minister, injurious to, or liable to form compounds injurious to, any part of the sewerage system or to employees of the Department engaged in the operation or maintenance of the same.

## Trade Wastes.

## Conditions, etc., of Discharge.

79. The discharge of trade wastes into any sewer shall be subject to the following terms, provisions, and conditions:—

- (a) Application for permission to discharge any trade wastes from any property into any sewer shall be made, in writing, to the Department and shall set out:—

- (i) the processes of manufacture from which trade wastes are discharged into the Minister's sewer;
- (ii) the nature of the trade waste from every such process;
- (iii) the estimated maximum rate of discharge of trade waste from every such process;
- (iv) the hours of the day during which discharge of trade wastes from every such process will normally take place;
- (v) the estimated maximum daily discharge of such trade wastes into the Minister's sewer.

Such applications shall be accompanied by detailed plans of the apparatus to be used for the treatment of the said trade waste and by such other information regarding the nature, quantity, rates, and times of discharge as may be required by the Minister.

- (b) No trade waste shall be discharged into the Minister's sewer unless and until a written permit has been granted under the hand of the Minister, and an agreement executed by the applicant containing a covenant to comply with the conditions of the said permit. Such permit shall be subject (*inter alia*) to the following conditions, namely:—

That if at any time in the opinion of the Minister—

- (i) the quantity, quality, or rate of the discharge of the said trade waste is not in compliance with the terms, provisions, and/or conditions of the said permit; or
- (ii) the occupier is not fully and faithfully performing and observing the terms, provisions, and conditions of the said permit and/or of this By-law or of any other By-law of the Department; or
- (iii) the treatment apparatus is not in efficient working order; or
- (iv) a breach of the said agreement has been made, the Department may serve a notice in writing upon the occupier of the said property by leaving the same thereon or posting it addressed to him at the said pro-

perty, in which notice reference shall be made to such of the matters aforesaid in respect of which a breach has taken place or as to which the occupier is in default and/or concerning which there is any complaint by the Minister, and such notice shall call upon the said occupier to make good the same in all things to the satisfaction of the Minister, within a period to be stated therein, from the date of service thereof, in manner aforesaid, and the said notice shall also state that the Minister is at liberty to terminate and put an end to the said permit: And, further, that if the requirements of the said notice have not been complied with on the expiration of the period mentioned therein the said permit shall automatically terminate and the same shall be and be deemed to be at an end, save and except as to the power of entry by the Department's officers as mentioned in the said permit without any further or other notice from the Department, and the Department by its officers may enter upon the said property, and at the cost and expense in all things of the occupier disconnect the apparatus used to discharge the trade waste into the Minister's sewers, and prevent and put an end to the further entry of trade waste to the sewers, and the occupier shall be entitled to no compensation whatever in connection therewith.

- (c) The Minister shall be the sole judge as to the quality, quantity, and rate of discharge of such trade waste and as to whether the same complies with the conditions of the said permit and of Part VI. of these By-laws, and his decision in regard thereto shall be final and conclusive.
- (d) Except by special permission of the Minister, in writing, the volume per hour of trade waste discharged from any property into a sewer of the Minister shall not in any case exceed:—
  - (i) a volume of 600 gallons per hour, if the trade waste is discharged into a 4-inch sewer of the Minister;
  - (ii) a volume of 1,500 gallons per hour, if the trade waste is discharged into a 6-inch sewer of the Minister;
  - (iii) a volume of 2,500 gallons per hour, if the trade waste is discharged into a 9-inch sewer of the Minister.
- (e) The maximum aggregate daily quantity of trade waste which may pass from any property into a sewer, the size and capacity of the drain for conveying such trade waste from the property to the sewer, and the hours during which such flow will be permitted, shall be determined by the Minister. The volume of trade waste discharged shall, if ordered by the Minister, be determined by meter or by some approved means of measurement.
- (f) All such trade wastes shall be passed through such settling, screening and/or neutralising chambers and/or such other apparatus as ordered or approved by the Minister to insure that the resulting effluent shall comply with the requirements of the said permit and of this By-law. All such apparatus or machinery shall be approved in type and general arrangement by the Minister, but the applicant shall determine the size, capacity and details of the treatment apparatus necessary to provide an effluent in compliance with the requirements of the said permit and this By-law.
- (g) The occupier shall notify the Department in writing of his desire to make any alteration which shall in any way affect—
  - (i) the nature of the waste from any process of manufacture;
  - (ii) the estimated maximum rate of discharge from any such process of manufacture;
  - (iii) the hours of discharge of trade waste from any such process;and all alterations or additions to the treatment apparatus shall in all things comply with the requirements of the said permit and of this By-law, but in no case shall any such alteration be made without the approval in writing of the Minister.
- (h) The person to whom the said permit is granted shall notify the Department in writing of any change of ownership or occupancy of any trade property connected with the Minister's sewers, at least fourteen days prior to such change.
- (i) In no case shall the said permit be assigned or transferred, except by permission in writing under the hand of the Minister.
- (j) The owner or occupier of any property connected with the Minister's sewers shall, if and where directed, instal to the Department's design an approved chamber for inspection, sampling, and measurement, and such chambers shall at all times be readily accessible to the Department's officers.
- (k) The Minister or any other authorised officer, servant, agent, or workman of the Department shall be at liberty at any time and from time to time to enter upon the property and every part thereof and take samples of the said trade waste for analysis and otherwise and also to inspect the said treatment apparatus.
- (l) Every settling, screening, or neutralising chamber, or other apparatus for the treatment of trade wastes in accordance with this By-law shall be cleansed and maintained by the occupier at his own expense and at such intervals as may be considered necessary by the Minister to ensure the efficient operation of such chamber or apparatus.
- (m) Notwithstanding the permission or approval of the Minister, the occupier of any property shall be solely liable for and in respect of:—
  - (i) any accident or damage, loss, or injury directly or indirectly arising out of or resulting from the discharge of the said trade waste from the said property into the Minister's sewer, and the occupier shall agree to hold harmless and keep indemnified the Department against all claims and demands for such damage, loss, or injury of any description

made and/or suffered by the workmen of the Department or any other persons whomsoever; and

(ii) all damage, loss, or injury occasioned or done to the Minister's sewer or any property belonging to the Department or any Company, person, or persons whomsoever by reason of such discharge failing to comply with the terms, conditions, and provisions of the said permit and/or of the By-laws of the Department, and the occupier shall agree to pay the cost of making good any such damage, loss, or injury.

(n) The Minister may from time to time without payment of any compensation thereof exclude from its sewers all trade waste from any property during the repairing, examination, or maintenance of the said sewers or the carrying out by the Department of any works in connection therewith.

(o) Such other conditions as may be required by the Minister having regard to the special circumstances of the case.

#### Connections prior to By-law.

80. (1) In any case in which the Department has, before the date of the coming into operation of this by-law, granted to any person permission to discharge trade waste into any drain or into any sewer of the Minister, or in any case in which any person has, before the date of the coming into operation of this by-law, been discharging trade waste into any drain or into any sewer of the Minister without the express permission of the Department, if after the said date, such person continues so to discharge such trade waste, the Department, if it thinks fit and notwithstanding anything contained in clause 1 of this by-law may, by notice in writing, direct such person wholly to cease from discharging such trade waste as aforesaid.

(2) Every such notice shall specify a day, not less than eight weeks from the date thereof, as the day on and after which such person is directed to cease from discharging such trade waste.

(3) If such person fails to comply with such direction he shall be guilty of an offence against this by-law.

(4) The foregoing provisions of this by-law shall not operate to prevent the Department from granting further permission to such person pursuant to the provisions of By-law 79.

#### Steam Exhaust.

81. No steam exhaust, blow-off, or drip pipe shall be connected with any drain or any soil, waste, or combined waste pipe.

#### Sub-soil Water.

82. (1) Upon written application the Minister may grant permission in writing to any person to discharge sub-soil water into any drain or into any sewer of the Minister.

(2) Every such permission shall be subject to such terms and conditions as may be imposed in such permit.

*Gazette 15/11/1940.* Fittings, etc., to be above Flood Level.

82A. (1) No inlets or openings shall be placed, or, if already placed, shall be permitted to remain placed in such positions that any extraneous water, due to rise of subsoil water level, or from any river, bay, gully or creek, or any other source, whether in flood or otherwise, may gain access to the Minister's sewers.

(2) Without in any way limiting the generality of paragraph (1) of this regulation in areas liable to be flooded or affected by rise of subsoil water level, no person shall place in position for use any fitting, fixture, or apparatus having an inlet or opening into any drain or into any sewer of the Minister unless the inlet or opening is above a level fixed by the Minister for the particular district or locality; such level providing a safe margin above the highest known subsoil water level or flood level.

#### Inspection—Tests—Maintenance.

83. Inspection:—All materials, pipes, bends, junctions, fittings, fixtures, and apparatus shall be inspected by the responsible officer of the Department to ensure compliance with the by-law and approved plans.

84. Tests:—The responsible officer of the Department shall require the application of the water or smoke test or such other tests as he may order or approve.

#### 85. Water Test:—

(1) The water test shall be applied to the drainage and/or plumbing systems and their fittings in their entirety or in sections, and shall be applied by hermetically sealing all openings below the top of the section to be tested. The system shall then be filled with water to the highest point of the section, or, if considered necessary, to such additional height as the responsible officer may order, and every joint, fitting and pipe carefully examined for leaks.

(2) In testing stoneware or concrete drains a loss allowance at the rate of two and a half per cent. per hour of the capacity of the drain under test and at five feet head shall be permitted.

86. Smoke Test:—The smoke test shall be applied by forcing into the system thick smoke to a pressure of one inch of water by means of a smoke test apparatus, closing all openings at which smoke appears and keep up the pressure for five minutes after last opening is closed. Every joint or pipe shall then be carefully examined for leaks.

87. Equipment:—The equipment, material, power and labour necessary for the inspection and tests shall be furnished by the licensed plumber.

88. Defective Work:—Any materials, pipes, bends, junctions, fittings, fixtures, and apparatus found to be defective shall be removed and replaced by sound ones, and all defective joints made tight and every part of the work shall be made to conform to the by-law and shall be subject to the approval of the Department or its responsible officer.

89. Maintenance by Licensed Plumber, etc.:—Every person holding a license from the Department, who shall execute any works in connection with sewerage, drainage and/or sanitary plumbing shall, when so directed by the Department, make good at his

own expense, any defect found within twelve months of date of completion of any such work due, in the opinion of the Department, to faulty workmanship.

90. Maintenance by Occupier:—Every silt trap, grease trap, oil trap or neutraliser, and such other appliance as the Department may direct, shall be maintained by the owner or occupier at his own expense and shall be cleaned at such intervals as may be necessary to ensure that such trap or appliance operates in an efficient and hygienic manner.

*Materials and Workmanship.*

91. Materials.—All materials, pipes, bends, junctions, fittings, fixtures, and apparatus shall be of the best of their respective kinds, sound and free from defects, and shall be approved by the Department.

92. Testing:—

- (a) All materials, pipes, bends, junctions, fittings, fixtures and apparatus shall be submitted for examination and/or test, and shall not be placed in position until passed and/or stamped by the Department. Such testing of materials shall be paid for by the person submitting same, whether passed or rejected, and shall be done at such time and place and at such rates as may, from time to time, be ordered or fixed by the Department.
- (b) Every application for such approval of any such fitting, fixture, or apparatus for use in connection with the Minister's Sewerage System shall be made in writing and shall be accompanied by a sample and/or, if ordered or approved, by approved drawings showing full details of the said fittings, fixture, or apparatus.
- (c) Every such fitting, fixture, or apparatus so approved shall, if it be a condition of such approval, be tested, stamped, marked, or authorised by the Department, in accordance with the conditions of the said approval.
- (d) A charge, which may be varied from time to time shall be made by the Department for testing and/or branding all pipes, fittings, or fixtures used in connection with sewerage installations.

93. Workmanship:—All work shall be executed in a thorough and workmanlike manner to the satisfaction of the Department.

94. Protection of Workmen, etc.—Adequate precautions shall be adopted, by the person carrying out the work, to prevent injury to workmen, property, or the public, and the Department shall not be responsible for any injury arising from the inadequacy of such precautions.

95. Concrete:—Concrete, unless otherwise ordered, shall consist of one part Portland cement, two parts clean sharp sand and four parts hard metal, shingle or gravel not exceeding one and one-half inches gauge and shall be thoroughly mixed with clean water to such consistence as ordered or approved by the responsible officer of the Department.

96. Cement Mortar:—Cement mortar, unless otherwise ordered, shall consist of one part Portland cement, and two parts clean sharp sand properly mixed with an approved proportion of clean water.

97. Use of Concrete:—Concrete shall be used in any of the following cases:—

1. Gully basins as specified in By-laws 127 and 128.
2. Around the top of educt vent and induct vent pipe sockets.
3. Around interceptor trap covers and tops of disconnector or other shafts.
4. Under and around bends rising vertically off oblique branches, and under bases of all drainage traps.
5. Around drains where such drains are, in the opinion of the Inspector, liable to be affected by tree roots.
6. Drains under buildings as provided in By-law 121.
7. Around drains having insufficient cover as provided for in By-law 119.
8. Floors under plumbing fixtures, where specified.

98. Cement Rendering:—Wherever any concrete work is exposed the surface shall be rendered in cement mortar.

*Drainage—General.*

99. Separate or Combined Drains:—

(a) Every house shall be separately drained unless a combined drain is ordered or approved by the Department.

(b) Owners desiring to have the drainage of their properties combined shall sign a request for a combined drain, and if approved by the Department they shall complete the prescribed agreement as required by the Department and comply with any other provision that the Department may require from time to time.

100. Size of Drains:—Every drain shall be of adequate size for the drainage of the property to be served in accordance with the requirements of By-law 159, with a minimum diameter of four (4) inches.

101. Materials:—All drain pipes, bends, junctions and fittings used shall be of glazed stoneware, concrete, cast iron or other approved material, provided that the responsible officer of the Department may prohibit the use of any of the materials aforesaid where the circumstances or conditions are considered unfavourable by him.

102. Cast-Iron Pipes:—Cast-iron drainage pipes (where laid underground) and their fittings shall comply with the standard approved by the Department for cast-iron water pipes and their fittings of similar diameters, or with such other standard as the Department may order or approve.

103. Interceptor Traps:—Where shown on plan supplied by the Department, an interceptor trap shall be fixed in the drain laid from any property to the sewer. Such trap shall be fixed as near as practicable to the boundary, and wherever practicable shall be within the boundaries of the property. If ordered, an approved inspection chamber shall be provided for the trap.

104. **Inspection Chambers:**—All drains shall wherever shown on plan, join in an inspection chamber at least three feet long by two feet wide, fitted with a closed cover. The portions of the drains crossing the floor of the inspection chamber shall be connected either in a straight line or by curved junctions in the floor of the chamber.

105. **Inspection Openings:**—

(a) Every line of drain shall be provided with an approved inspection opening at each junction not provided with an inspection chamber, at each change of direction, at each fitting, and in no case at greater than 60 feet intervals, and in paved areas a loose slab shall be provided vertically over the inspection opening.

(b) The area of an inspection opening shall be not less than the area of the drain for a line of drain six feet long or under; or where the distance between inspection openings is six feet or under; but for lines over six feet, the opening shall be not less than 12 inches long by the diameter of pipes.

106. **Gratings:**—

(a) Every inlet to a drain other than from a water closet shall be effectively protected by approved gratings of ample area.

(b) The aggregate area of the apertures in any grating covering a ventilation opening shall not be less than the sectional area of the pipe or drain ventilated by such grating.

(c) Every opening for ventilation shall at all times be kept by the occupier perfectly free from obstruction.

107. **Drain openings not in use:**—

(a) The ends of all drains not immediately connected with the plumbing fixtures shall be securely closed with watertight imperishable materials.

(b) If such drains be of stoneware or concrete, a stoneware, cast-iron or other approved disc may be cemented in; if of wrought iron a plug may be screwed on the end; if of cast iron, a cast iron plug may be caulked in with lead.

108. **Inserting Junctions:**—

(a) Where it becomes necessary to insert a junction in an existing line of drain, a suitable length of drain shall be removed, and the junction, with an inspection opening on either side dropped back into position, and the line tested in the usual manner.

(b) Junctions in existing metal pipes shall not be made unless an approved closure pipe is used in each case.

#### *Basement and Cellar Drainage.*

##### *Fixtures.*

109. (1) No sink, trap, water-closet, urinal, or other fixture or apparatus shall be laid or fitted in any cellar or basement or on any floor below ground level unless the following conditions are complied with:—

(a) The consent, in writing, of the Department shall be first obtained, and shall be subject to revocation at any time as hereinafter provided.

(b) The owner shall submit such information as may be required by the Minister and shall undertake, in writing, on an approved form, to accept all liability for damage that may occur, and shall also give to the Department any indemnity in reference thereto that the Department may require.

(c) The ventilation of such cellar or basement shall be in accordance with By-laws 210 to 213 inclusive; and

(d) Such other conditions as may be required by the Minister, having regard to the special circumstances of the case.

(2) If on any subsequent inspection—

(a) the light or ventilation is found not to be in accordance with these By-laws; or

(b) the fixtures and their surroundings are not being kept, in the opinion of the Minister, in a sanitary condition; or

(c) the purpose for which such cellar basement or floor below ground level is used is found to have been changed,

then the said consent may be revoked by the Minister, and upon and after the expiration of 14 days from the date of such revocation—if the defect has not been remedied—such closet, urinal, or other fixture shall be disconnected from the Minister's sewers.

110. **Risk of Back Flow:**—Where such cellar, basement, or floor below ground level is at such a level as may, in the opinion of the Minister, involve risk of back flow in the event of the sewer becoming overcharged, the sewage from all fixtures therein shall be raised by ejector, siphon, or other approved mechanical appliance to such height as ordered, and discharged into the sewer as and where directed.

111. **Seepage Drains:**—In no case shall seepage drains from cellars, basement, or any floor below ground level, be discharged into a sewer without the consent of the Department. Where such discharge is permitted, the seepage shall be raised by ejector, siphon or other approved mechanical appliance to such height as ordered and discharged into the sewer as and where directed.

#### *Polluted Areas.*

##### *Connection.*

112. The Minister may by notice in writing require any owner or occupier of any land to which section 58 of the Act applies to connect with the sewer of the Minister in accordance with these by-laws any stables, cowsheds, dairies, market-places, abattoirs, areas for washing vehicles, or other polluted areas upon such land.

## Conditions governing Connection.

113. No such connection shall be made unless the following conditions have been complied with:—

- (a) The place to be connected, if of an area greater than 20 square yards, shall be so roofed as to prevent the entry of rainwater from it to the sewers, and in no case shall rainwater be permitted to discharge on to such place from adjoining surfaces.
- (b) The property to be connected shall be paved with approved bricks on edge or bluestone pitchers, both set in cement mortar, or with concrete or other approved materials, and graded to the satisfaction of the Inspector.
- (c) The drain from any such place shall be provided with an approved silt trap with a removable grating.

*Laying Drains, etc.*

## Pipe Trenches.

114. (a) The trench for the drain from any property shall be so dug as to meet the Minister's sewer at the position provided, or to be provided, for the connection, in accordance with the drainage plan.

(b) The material from the trench shall be so placed as to cause the least possible obstruction and inconvenience to the public, and proper barriers and lights shall be maintained by the licensed plumber where necessary, to guard against accident during the progress of the work.

(c) In refilling the trench, selected filling shall first be deposited around and over the pipe to a depth of 12 inches and carefully consolidated, after which the remainder of the trench shall be filled in, in layers, and rammed or flooded as ordered or approved by the Inspector.

(d) No stone shall be used in refilling until earth or gravel has been placed over the pipe to a depth of 12 inches, or more if directed.

(e) On no account shall any water, sand, earth, or other prohibited discharge be allowed to enter the sewer during the progress of the work.

(f) On completion of refilling the surface shall be restored as nearly as possible to the same condition as it was before operations were commenced, unless the owner, in writing, otherwise requires.

## Position and Line.

115. Every drain shall be laid and every fitting or apparatus connected therewith shall be fitted in the position shown on drainage plan or as directed by the Inspector. As far as possible, all drains shall be laid in straight lines; where changes of direction occur they shall be made:—

- (a) by oblique junction;
- (b) by suitably curved pipes, with inspection opening; or
- (c) by a suitably curved pipe with an inspection opening on each straight pipe next adjoining the curve; or
- (d) in inspection chambers.

116. Oblique Junctions:—Where any drain joins another drain or sewer the junction shall be made obliquely at any angle not greater than 45 degrees with the direction of flow of such drain or sewer.

117. Connection to Sewer:—The disc stopper at the point of connection to the sewer shall be carefully removed so as not to injure the socket or allow debris or other matter to get into the sewer.

118. Gradients:—(1) All drains shall be laid on an even grade and, except by permission of the Minister, or where shown on drainage plans, such gradients shall, in no case, be less than the following:—

4-inch diameter	..	..	..	1 in 40
6-inch diameter	..	..	..	1 in 60
9-inch diameter	..	..	..	1 in 90

(2) Where the grades of drains are steeper than 1 in 15, concrete Anchor blocks shall be placed at intervals of not more than 30 feet. The block shall have a minimum width of 12 inches along the pipe, and of such thickness that there shall be 3 inches of concrete above and below the pipe and shall extend at least 9 inches into the virgin ground at each side of the trench.

(3) Where the drains are laid at a grade less than provided for in paragraph 1, approved provision shall be made for regular and efficient flushing where ordered by the Minister.

## Depth of Drains.

119. Drains of stone ware or concrete pipes, unless bedded on and encased in concrete of not less than four inches thickness over any part of the drain, shall be laid at a depth to the top of the socket of the pipe, of not less than the following:—

(a) In public thoroughfares, rights-of-way, or other places subject to vehicular traffic, 2 feet.

(b) In private property not subject to vehicular traffic, 1 foot.

No person, being the owner or occupier of any land through which any drain runs shall alter the surface over or in the vicinity of any drain so as to deprive it of the minimum depth of cover specified by the preceding paragraph, or to affect the stability of its foundation, unless he shall encase the drain as may be approved of by the Minister.

Notice, in writing, shall be given to the Minister before the work is proceeded with.

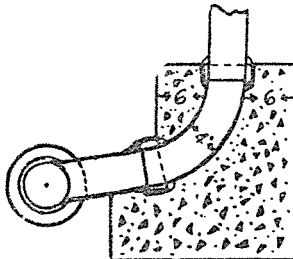
*Laying Drains.*

120. (1) All pipes shall be laid to such lines and grades as may be shown on the approved plans or as may be directed by the Inspector, and except where otherwise ordered by the Inspector, holes shall be cut in the bottom of the pipe trench to receive the sockets of the pipes, and all the pipes shall be carefully bedded with the barrel on the solid ground.

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(2) In the case of clay or rock bottomed trenches, or where directed by the Inspector, the pipes shall be bedded up to the horizontal diameter on sand or other approved material, so that there shall be at least three inches of the bedding material below the barrel of the pipe, at any point.

(3) Bends rising vertically shall be protected as shown in sketch.



(4) In water charged ground or where the foundation is bad the drain shall be formed of cast-iron, stoneware, or concrete pipes as directed by the Inspector, but in all cases such pipes shall be supported on pile and keel foundations, the keel to be six inches by two inches jarrah and the piles four inches by four inches jarrah at not more than three feet centre, and driven to a depth ordered by the Inspector.

(5) In cases where it is considered that the drains are likely to be damaged by fibrous roots, the pipes, if stoneware or concrete, shall be bedded on and encased in four inches of concrete over any part of the drain, but in vertical shafts concrete or stoneware pipes shall not be used if the height from the under side of bend exceeds four feet, and in such cases cast iron pipes shall be used.

#### 121. Drains Under Buildings:—

(1) Every drain shall be so constructed as not to pass under any building, except in any case where any other mode of construction is impracticable; and if in any case a drain shall be so constructed as to pass under any building, such drain shall be laid in direct line for the whole distance beneath such building, and of such depth that there shall be a distance equal at least to a full diameter thereof between the top of such drain at its highest point and the surface of the ground under such building.

(2) The drain pipe in any such case shall be of cast iron and joined with lead as is usual with water pipes as required for water supply purposes, or of stoneware or concrete bedded in and surrounded with concrete at least six inches thick. All drains carried through walls shall have a space of three inches left over the pipe.

(3) Stoneware or concrete pipes brought up inside a building for the purpose of connecting a Water Closet, slop hopper, etc., shall be surrounded with four inches of concrete, but the height of such pipes to be brought up from the drain shall not exceed four feet, and if the height exceeds four feet cast iron pipes shall be used.

#### Joints—Drainage.

122. Stoneware and Concrete Pipes:—Joints of stoneware and concrete pipes shall be filled in solidly with cement mortar or with other approved material, neatly splayed off to an angle of 45 degrees. After each joint is made the interior of the joint shall be wiped clear of surplus mortar.

123. Cast-Iron Pipes:—All joints in cast-iron pipes must be stemmed with approved gaskets and so filled and caulked with lead or other approved materials so as to make them gas and watertight. Joints between cast iron and stoneware or concrete pipes shall be made as for those between stoneware or concrete pipes.

#### 124. Trapping of Inlets:—

(1) Every inlet to any drain other than inlets provided for ventilation in accordance with the By-law, shall be provided with an approved trap.

(2) No inlets to any drain connecting directly with a sewer shall be constructed within a building, other than such inlets necessary for the apparatus of any water closet, urinal, slop hopper, or other approved fixtures, unless in the case of the Combined Pipe System.

125. Water Seal:—Every drainage trap shall have a water seal of two inches in depth.

#### 126. Provision of Yard Gullies:—

(1) A yard gully shall be provided where practicable in the yard of every property, as near as practicable to the kitchen or back door, with a tap placed over it at a height of not less than two feet, unless other approved provision is made for taking household liquid wastes.

(2) No yard gully shall be situated within a building or outbuilding or under any roof or covered way.

(3) In cases where it is impracticable to instal a yard gully, a slop hopper or cleaner's sink shall be provided on each floor of the building.

#### 127. Details of Yard Gullies and Silt Trap Basins:—

(1) Yard gullies may be fitted with stoneware basin tops, spigot and faucet and grating, the basin top being in one piece with the trap jointed thereto and surrounded with concrete.

(2) The basin top may be constructed in concrete, which shall surround the gully and extend from six inches below the surface to three inches above surface level.

(3) The inside diameter of the basin top shall be 16 inches, the outside 24 inches diameter, and the depth from top of basin to grating shall be six inches.

(4) The wastes shall discharge in all cases below the grating.



## 128. Kerbing to Yard Gullies, etc.:—

(1) Stoneware yard gully basins and the tops of silt traps provided with stoneware basins shall be so surrounded with an approved impervious kerbing of concrete or other approved material as to prevent the access of surface water to the drains, and if directed, the wall at the rear of a gully or silt trap, if of brick or stone, shall be cement rendered to the height of the top over same, and, if of wood, the wall shall be provided with an approved galvanised sheet iron apron.

(2) Rainwater pipes shall not be connected to or discharge into any gully or fixture connected with the Minister's sewers.

(3) Gullies or pits for the disposal of road drainage, or for the disposal of storm water from any roof, yard or vacant land shall not be connected with any sewer or drain under the control of the Minister.

129. Sealed Disconnector Traps:—When approved by the Chief Inspector, sealed disconnector traps may be affixed inside or outside a building or outbuilding, but in such cases breather pipes or fresh air inlets equal in area to the waste pipe or pipes discharging into the trap shall be taken to such height as directed, and, where the trap is inside, shall be led to the outside of the building or outbuilding. The material for such breather pipes shall be the same as for vent pipes. Inspection openings to such traps shall be sealed with screwed plugs, or as otherwise approved by the Chief Inspector.

130. Provision of Grease, Petrol, and Oil Traps:—Wastes from the following fixtures and areas shall first discharge into an approved apparatus for retaining objectionable matter, that is to say:—

(a) Every fixture or area from which petrol, benzine, or other inflammable or explosive substance, or grease, oil or greasy or oily matter, is likely to be discharged or conveyed into waste, combined waste, or soil pipes or into drains;

(b) Every sink in all food-packing houses, butchers' shops, lard rendering establishments, hotels, restaurants, boarding houses, and such other places as the Minister may direct; and

(c) Such other fixtures, areas, or apparatus as the Minister may direct.

## 131. Construction of Grease Traps:—

(1) Grease traps shall be fixed outside buildings or outbuildings wherever practicable.

(2) External grease traps shall be constructed of glazed stoneware, brick in cement, or other approved material.

(3) Internal grease traps shall be constructed of copper or other approved material, and, if directed, fixed upon a tray.

(4) The outlet from any grease trap shall be connected to a disconnector trap.

132. Grease Trap Ventilation:—Every internal grease trap, and all external grease traps which are within 20 feet of any door, window, or other opening into a building, shall have approved independent provision made for inlet and outlet ventilation as provided for Waste pipes in By-law 147.

## 133. Size of Grease Trap:—

(1) The dimensions of grease trap to be provided shall be such as to ensure the retention of all grease entering such trap.

(2) The minimum size for grease traps serving kitchen sinks and/or mechanical dishwashers shall be as follows:—

(a) The capacity of the grease trap below the level of the invert of the outlet shall be not less than the total capacity of the sinks and/or dishwashers served, and in accordance with the Department's type drawings.

(b) The height from the top of the outlet of grease trap to the vent take off shall not be less than four inches.

(c) The difference in level between invert of inlet and invert of outlet shall be not less than one inch.

(3) The capacity of a sink shall be measured to the overflow level, or, in the event of there being no overflow, to the top of the sink.

(4) The capacity of a dishwasher shall be taken as the capacity of the sump or water container.

134. Outlet Pipes from Grease Traps:—The outlet pipe from any grease trap shall be at least one size larger than the size of pipe which has a cross sectional area equivalent to the total area of incoming waste pipes and except by special permission no outlet pipe shall be less than 2½ inches in diameter.

## 135. Construction of Petrol and Oil Traps:—

(1) Petrol and oil traps shall be constructed in accordance with the Department's type drawings.

(2) Every such trap shall be connected to a disconnector trap and shall be provided with independent ventilation in accordance with the provisions of By-law 132 for grease trap ventilation.

136. Construction of Silt Traps:—Silt traps shall be constructed in accordance with the Department's type drawings.

*Ventilation.*

## 137. Vents on Main House Drain:—

(1) The main drain shall be ventilated at its upper end by a pipe ventilator erected vertically and such ventilator may be a soil or combined waste vent pipe.

(2) If the drain is provided with an interceptor trap there shall be in addition a ventilator pipe connected to the interceptor trap shaft, and in such cases there shall, wherever practicable, be a difference in height of not less than six feet between the tops of the vents at the upper and lower end of the drain, respectively.

(3) A ventilating pipe shall also be provided on the sewer side of the interceptor trap.

138. Vents on Branch Drains:—Branch drains need not be vented if the drainage traps are within fifteen feet from the main house drain measured along the line of pipes including the drop, if any, from the centre line of the main drain to the centre line of the outlet side of the water seal.

139. Size of Drainage Vents:—Drainage vent pipes shall be of not less than four inch diameter in the case of educt vents and not less than three inch diameter in the case of induct vents, with the provision that, where more than one educt vent is provided, the vent on the longest line of drain shall be of not less than four-inch diameter and all others not less than three-inch. Every such vent pipe shall be provided with approved educt or induct cowl.

140. Materials, etc., for Drainage Vents:—

(1) Drainage vent pipes, situated wholly outside buildings or outbuildings, shall be of cast iron, galvanised wrought iron, galvanised sheet iron, or other approved material above ground, and of stoneware or other approved material beneath the surface of the ground.

(2) Galvanised sheet iron vent pipes shall not be of less gauge than 20 for three-inch and four-inch diameter pipes and 18 for six-inch diameter pipes, but where, in the opinion of the Inspector, they are liable to injury, the first six feet above the ground shall be of cast iron or other approved material.

(3) Drainage vent pipes, inside a building or outbuilding, shall, unless otherwise approved, be of cast iron of soil pipe strength, or of galvanised wrought iron, copper or brass as specified in By-law 65.

(4) All galvanised sheet iron vent pipes shall be double galvanised, with longitudinal joints grooved, welded or riveted, and circumferential joints riveted and soldered.

141. Vent Supports:—

(a) Unattached posts shall be of not less than four inches by four inches (4in. x 4in.), rough dressed jarrah, properly strutted with four-inch by two-inch (4in. x 2in.) struts and sole pieces.

The struts and sole pieces shall be bolted to post, and post shall be let into the ground to a depth of one quarter ( $\frac{1}{4}$ ) its length.

The struts shall extend from sole pieces to one-third ( $\frac{1}{3}$ rd) of the length of post above ground at an angle to post of twenty-five (25) degrees.

(b) Vent post attached to buildings shall be of not less than four-inch by four-inch (4in. by 4in.) dressed jarrah, properly secured to top and bottom plates of building, with half-inch ( $\frac{1}{2}$ in) bolts of required length.

142. Materials for Soil, Waste and Combined Waste Vents:—

(1) Vent pipes for soil, waste or combined waste pipes shall be cast iron, galvanised wrought iron, lead, solid drawn copper or brass, except that, where the vent pipe is entirely outside a building, grooved sheet copper or grooved welded, or riveted double galvanised sheet iron vent pipes may be used, but sheet copper or sheet galvanised iron vent pipes shall not be used at a level lower than 2 feet above the level of the highest fixture served thereby.

(2) Lead vent pipes shall be of not less than seven pound lead for use with water closets, urinals, or slop sinks and of not less than six pound lead for use with other fixtures.

(3) Solid drawn copper or brass vent pipes shall comply with the requirement of By-law 174 for waste, combined waste or soil pipes.

(4) External vent pipes of sheet copper or galvanised sheet iron shall be of a gauge not less than the following:—

1½-inch, 2-inch, and 2½-inch diameter .. .. .	22 gauge
3-inch and 4-inch diameter .. .. .	20 gauge
6-inch diameter .. .. .	18 gauge

(5) Galvanised sheet iron vents shall be coated in the inside with approved bituminous coating and painted on the outside to colour required by owner.

143. Vents in Outbuildings:—Galvanised sheet iron vent pipes may be used inside external water closets, stables or open outbuildings but, where liable to damage, shall be protected as directed by Inspector.

144. Soil Vent Pipes:—In all cases the upward extension from the soil or combined waste pipe for ventilation shall pass in as direct a manner as possible above, and, if necessary, through the roof.

145. Length of Unvented Waste Pipes:—Except as provided in By-laws 163, 246, and 247, waste pipes need not be ventilated unless they exceed 10 feet in length, provided that:—

- (a) there is only one fixture attached to the waste pipe, and
- (b) the water seal of the trap is not reduced by siphonage or other cause.

146. Anti-Siphonage Vents:—

(1) Loss of water seal in trap shall be prevented by proper ventilation in accordance with the requirements of By-law 160.

(2) Such anti-siphonage vents from fixtures shall be carried up in accordance with By-law 147, or joined to the branch or main vent above the level of the fixture, unless special permission to the contrary is granted.

(3) These vent pipes shall connect to the waste, combined waste or soil pipe on the opposite side of the water seal to the fixture at a point not more than 2 feet, from the crown of the trap, provided that the seal of the trap is not affected.

(4) If the vent is connected in close proximity to the crown of the trap, it must be so arranged that no fouling shall occur by the discharge from the fixture.

(5) No other fixture shall be connected to the soil, combined waste or waste pipe at any point between the anti-siphonage pipe and the trap which it serves.

147. Height of Vents:—

(1) Every vent pipe extending upwards from a soil, drain or combined waste pipe shall be carried not less than 6 feet higher than any door, window, or other opening into a building, within a distance of 30 feet thereof, and except as otherwise provided in By-law 149, every educt vent shall be carried at least 18 feet above ground level and 6 feet above the level of the eaves or coping.

(2) Every vent pipe extending upwards from a waste pipe shall be carried 4 feet above any door, window, or other opening into a building, within 20 feet thereof, and in any case at least two feet above the level of the eaves or coping.

(3) Subject to the foregoing, any vent pipe which extends into a gable of a building shall be carried at least two feet above the point of intersection with the roof.

(4) Where necessary, in the opinion of the Minister, vents shall be carried to such additional heights as may be required to effectually prevent the escape of foul air into any building within the vicinity.

(5) Vent pipes shall, where necessary, be provided with sufficient clips or stays to support them effectively.

148. Chimneys and Cavity Walls.—No chimney or cavity walls shall be used as a ventilator to any drain, soil, combined waste or waste pipe.

149. Vents near Chimneys:—

(1) Vents shall, as far as possible, be kept away from chimneys and ventilating air shafts.

(2) Where a ventilator pipe terminates 10 feet or more from a chimney opening or ventilating air shaft, the requirement of By-law 147, shall apply, but where the distance is less than 10 feet the vent pipe shall, provided it is at least 18 feet long, terminate not less than 2 feet below or 6 feet above the top of such chimney or air shaft.

150. Vent Pipe Grades:—

(1) All vertical line of vent pipe shall connect, full size, at their bases with a soil, waste, combined waste or drain pipe, and shall extend in undiminished size above the roof or be connected to the soil, waste, combined waste or vent stack, in compliance with the requirements of By-law 160 on a grade of not less than one in forty.

(2) All offsets shall be at a grade of not less than 45 degrees to the horizontal.

(3) Vent pipes shall not be used as waste or soil pipes.

151. Combining of Vents:—Vent pipes may be branched into a soil or waste pipe, above the level of the highest fixture; provided that in the case of the Separate Pipe System, soil vents are branched into soil pipes and waste vents into waste pipes only.

152. Galvanised Sheet Iron Vent Branches:—Where a junction is made to a galvanised iron, soil, or waste vent pipe the method of joining shall be by means of an approved welded joint, and in accordance with the Department's standard drawings.

153. Pipes Clips, etc.:—

(1) There shall be at least one pipe hook or clip to each six feet length of vent pipe.

(2) For cast iron or wrought iron pipe, approved coated wrought iron clips, and for copper, brass or galvanised sheet iron pipe, 1½-inch by 14-gauge band clips of the same material as the pipe, shall be provided or approved pipe hooks shall be provided.

(3) Wherever it is necessary to fix pipes clear of the wall, approved extension clips shall be used.

(4) Clips, in the case of cast iron pipes, shall be placed tight up against the bead or underside of the collar.

154. Attachment to Walls:—

(1) Where a galvanised sheet iron pipe, with or without offset, is carried up above the brick wall of a building or outbuilding, it shall be secured by a galvanised wrought iron clip, leaded into the wall near the top, or by other approved means.

(2) All band iron clips of vent pipes to brick walls shall be fastened with nuts and bolts, leaded in, or for cavity walls by means of T-headed bolts passed through the brick joints and turned at right angles to the joints, or by other approved means.

155. Supporting of Vents:—Wherever a vent pipe, with offset, exceeds nine feet in length above the offset, it shall be stayed, as directed, with ½-inch galvanised wrought iron piping, provided that an unsupported length of 15 feet, above the highest clip of straight vent pipe, without offset, shall be permitted.

156. Vents Adjoining High Buildings:—

(1) In any case in which a building is erected next to an existing building of less elevation and any windows of the new building are located within 30 feet of any existing vent stack on the lower building, the owner of such new building shall defray the cost of such alterations to the vents of the previously existing building as necessary to conform with By-law 147.

(2) The owner of the lower or existing building shall make such alterations upon the receipt of money, or security therefor sufficient for the purpose, from the owner of the new or higher building, or shall permit at the request of the owner of the new or higher building the making of such alteration by the owner of such new or higher building.

157. Down and Relief Venting:—

(a) Down Venting:—In special cases, which must be approved, by the Chief Inspector, vent pipes may be installed on the "down venting" principle. That is, the vent pipe from the fixture trap may be taken below level of the fixture and under the floor to an external wall or into pipe duct and then carried up in accordance with the requirement of By-law 160. An approved fitting shall be provided at the lowest point of such vent for the purpose of draining off any water of condensation collected therein.

(b) Relief Venting:—Relief vents on soil and waste pipes shall be provided where shown on plan and comply with By-law 160.

#### Capacities of Soil, Waste, and Vent Pipes.

##### Fixture Units.

158. For the purpose of determining the size of any waste, soil or vent pipe, the following equivalent fixture units shall be adopted, unless otherwise directed:—

Fixture.	Nominal Outlet Diameter. inches.	Fixture Units.
One lavatory basin ... ..	1½	1
For each lavatory basin over 20 served by such pipe ...	...	½ for each basin
One kitchen sink (up to 6in. depth to overflow) ...	2	3
One bath (with or without over-head shower) {	1½	4
	2	6
One wash trough set with common trap ... ..	2	5
One urinal or group of urinals draining to a common trap ... ..	2	3
One slop hopper ... ..	3	4
One shower compartment ... ..	2	3
One water closet ... ..	4	5
Groups of fixtures contained in one apartment—		
Bath and lavatory basin ... ..	...	6
Bath, lavatory basin, and shower ... ..	...	6
Bath, lavatory basin, shower and water closet ...	...	6
Bidets ... ..	1½	1
Bedpan and bottle slop sink ... ..	3	4
Glass and teapot washers ... ..	1½	1
Foot baths ... ..	½	2
Dishwashers ... ..	2	6
Cleaner's and caretaker's sinks ... ..	2	3

For fixtures, other than those shown, the equivalent fixture units to be adopted shall be determined by the Minister.

159. Sizes of Soil, Waste, Combined Waste and Drain Pipes:—The sizes of soil, waste, combined waste and drain pipes, computed in accordance with the method set out in Schedule "B" shall be not less than the sizes, determined on the basis of the total number of fixture units drained, or likely to be drained, in accordance with the following table:—

Diameter of Pipe.	Permissible Maximum number of Fixture Units.				
	Grade not less than—				Vertical Stacks.
	*Minimum Permissible Grade.	1 in 40.†	1 in 12‡.	1 in 4.§	
inches.					
1½	6	...	6	8	9
2	9	...	12	17	24
2½	14	...	20	28	36
3	20	...	30	40	50
4	100	100	150	210	260
6	420	490	820	1,150	1,400

\* See By-law 177.

† Corresponds to 88½° Fittings.

‡ Corresponds to 85° Fittings.

§ Corresponds to 75° Fittings.

Provided that—

- waste, combined waste, soil and drain pipes shall not be diminished in the direction of flow;
- the diameter of trap, waste, combined waste, or soil pipe receiving the discharge from any fixture shall in no case be less than the nominal outlet diameter of such fixture, nor shall any soil pipe be less than three inches in diameter;
- not more than two closet pans shall discharge into any 3-inch graded soil pipe;
- for the purpose of this section, offsets in vertical stacks may be treated as though vertical, provided the length of offset does not exceed five feet measured horizontally;
- where 45-degree fittings are used throughout for connections to any stack the "permissible maximum number of fixture units for vertical stacks" in the table may be increased by 50 per cent;
- no more than one-half of the total permissible number of fixture units for a vertical stack, in accordance with the table, shall be connected to such stack in any 8-foot length thereof;
- soil, combined waste and waste pipes shall be as direct and free from bends as practicable; where bends are unavoidable, approved provision shall, if necessary, be made to safeguard fixtures connected immediately above or below such bends.

160. Sizes of Vents:—

(1) Length of Vent:—For the purposes of this By-law, the length of any vent shall be defined as follows:—

- (a) Length of main vent shall be the height of the building, in storeys, above the floor on which are situated the lowest fixtures served by such vent.
- (b) Length of Branch Vent shall be the height of the building in storeys, above the floor on which are situated the lowest fixtures served by such vent, plus an additional storey for each 12 feet, or part of 12 feet, in the length of the branch vent, measured horizontally from the main vent to the fixtures in question.

(2) Main and Branch Vents:—The sizes of main and branch vents, computed in accordance with the method set out in Schedule B, shall not be less than the sizes determined from—

- (a) the size of soil, combined waste, and waste pipe or stack to be vented;
- (b) the total number of fixture units served by the main vent, or by that portion of the branch vent under consideration; and
- (c) the length of vent; in accordance with following table:—

Minimum permissible sizes of Main or Branch Vents (inches)

Diameter of Soil or Waste Pipe. (Inches)	Total No. of Fixture Units Served.	Total Length of Vent in Storeys :—									
		1.	2.	3.	4.	5.	6.	7.	8.	9.	10 and over.
1½	Up to— 8	1½	1½	1½	1½	1½					
	14	1½	1½	1½							
2	Up to— 12	1½	1½	1½	1½	2	2	2			
	18	1½	1½	1½	2	2	2	2			
	36	1½	1½	1½	2	2	2	2			
2½	Up to— 6	1½	1½	1½	1½	1½	2	2	2½	2½	2½
	12	1½	1½	1½	1½	2	2	2	2½	2½	2½
	24	1½	1½	1½	1½	2	2	2½	2½	2½	2½
	36	1½	1½	1½	2	2	2	2½	2½	2½	2½
	54	1½	1½	1½	2	2	2½	2½	2½	2½	2½
3	Up to— 12	1½	1½	2	2	2	2	2	2	2	2½
	18	1½	2	2	2	2	2½	2½	2½	2½	2½
	24	2	2	2	2½	2½	2½	2½	2½	2½	2½
	30	2	2	2	2½	2½	2½	2½	2½	2½	3
	42	2	2	2½	2½	2½	2½	2½	3	3	3
	60	2	2	2½	2½	2½	2½	3	3	3	3
	75	2	2½	2½	2½	2½	3	3	3	3	3
4	Up to— 12	2	2	2	2½	2½	2½	2½	2½	2½	2½
	24	2	2½	2½	2½	2½	2½	2½	2½	3	3
	36	2	2½	2½	2½	2½	2½	2½	3	3	3
	48	2½	2½	2½	2½	2½	3	3	3	3	3
	72	2½	2½	2½	2½	3	3	3	3	3	3
	120	2½	2½	2½	3	3	3	3	3	3	3
	180	2½	2½	3	3	3	3	3	3	3	3
	300	2½	3	3	3	3	3	3	4	4	4
6	Up to— 600	4	4	4	4	5	5	5	5	5	5
	1,300	4	5	5	5	5	5	5	5	6	6
	2,100	4	5	5	5	5	6	6	6	6	6

Provided that:—

- (i) no vent shall be less than 1¼ inches in diameter, and in no case shall a main or branch vent have a diameter less than one-half that of the soil, or waste pipe which it serves;
- (ii) for 2-inch and 2½-inch waste pipes the main or branch vent shall have a diameter of not less than 1½ inches;
- (iii) no branch vent need be larger in diameter than the soil, or waste pipes which it serves.

(3) Individual Anti-Siphonage Vents:—The sizes of individual anti-siphonage vents shall be not less than the sizes determined from the diameter of the fixture trap served, in accordance with the following table:—

Diameter of Fixture Trap.	Minimum permissible size of Anti-Siphonage Vent.	Diameter of Fixture Trap.	Minimum permissible size of Anti-Siphonage Vent.
1½ inches	1½ inches	2½ inches	2 inches
2 "	1½ "	3 "	2 "
		4 "	2 "

## Plumbing—General.

161. Waste Pipes:—Separate waste pipes shall be provided for each of the following classes of polluted water, viz.:—

- (a) Dirty water from baths, sinks, lavatory basins, and wash troughs and other waters containing a small proportion of soap and/or dirt.
- (b) Greasy water from kitchen and scullery sinks or other fixtures, in such cases where grease traps are ordered or required.

162. Soil Pipes:—Except as provided in By-law 163, soil pipes shall be provided for soil water from closets and other waters containing faecal matter and for urinal waters from slop hoppers and urinals, and, where directed, for discharges from operating theatres and mortuaries.

163. Combined Pipe System:—The Minister may, if he thinks fit, approve of the adoption of the combined pipe system for plumbing installations, subject to the following conditions and such other conditions as he may think necessary in any particular case:—

- (a) An interceptor or boundary trap shall be provided in the house drain as per By-law 103.
- (b) All fixture traps shall be vented as per By-law 160.
- (c) In order to prevent fouling of traps as much as possible by the discharge from water closets, slop hoppers and urinals, in the event of a blockage in the combined waste pipe—the waste pipe from baths and shower compartments or other fixtures, as determined, shall be branched into the combined waste stack.

164. Connections to Drain:—

(1) All waste pipes shall discharge under the grating of a yard gully or into a disconnector trap.

(2) All soil pipes, including those for urinals and slop hopper must be connected direct to the drain.

165. Flashings, etc.:—Unless otherwise directed all troughs, sinks and other plumbing fixtures which are placed less than three inches from any wall except those provided with wall skirtings of not less than three inches in height, as part of the fixture shall be flashed with 4lb. lead, 24-gauge copper, bronze, brass, nickel silver or monel metal or other approved material. All such flashings shall be turned up the walls at least three inches, properly secured and made watertight or cover flashed and made watertight except where the walls are tiled, when the flashing shall be carried up at least one-quarter inch behind the tiles.

Baths and other plumbing fixtures having turned up flanges for use against tiled walls in lieu of sheet metal flashing shall be rigidly and properly supported in approved manner to prevent settlement, and the flange shall lap at least one-quarter ( $\frac{1}{4}$ ) inch behind the tiles or other approved wall surface, which shall be brought hard down on the surface of the fixture.

166. Internal Cocks:—Cocks delivering water shall not be fixed internally unless a sink, lavatory basin or other approved fixture, or a properly drained impervious floor, is provided underneath.

167. Sheet Metal Bends and Offsets:—All sheet metal bends and offsets, for flush and vent pipes, shall be bent or pressed. Mitred elbows will not be permitted.

168. Pipes through Roof:—In all cases where a vent, waste, combined waste or soil pipe passes through any roof a suitable collar worked out of four-pound sheet lead shall be soldered or otherwise fixed to the pipe and also the roof in such a manner as shall make the roof perfectly watertight.

## Soil, Combined Waste and Waste Pipes.

169. General:—All lines of soil, combined waste and waste pipes shall be as direct as possible.

170. Materials—Soil, Combined Waste and Waste Pipes:—Except by permission of the Minister no material shall be used for soil pipes, other than cast-iron, seven-pound lead, brass, stoneware, concrete or ceramic ware, and for waste pipes, other than wrought iron, cast iron, six-pound lead, brass, copper, stoneware, concrete or ceramic ware.

171. Wrought Iron Pipes:—All wrought iron pipes shall be of approved standard weight and quality as set out in by-law 65, clause 5 and galvanised to the approval of the Minister.

172. Cast-Iron Pipes and Fittings:—

(1) All cast-iron pipes and fittings shall be in accordance with the Department's standard drawings and shall be sound, free from holes and cracks, and coated with approved bituminous composition or lined with glass enamel or other approved material.

(2) Cast-iron pipes and their fittings, where laid in the ground, shall comply with the standard approved by the Department for cast-iron water pipes and their fittings, of similar diameter, or with such other standard as the Department may order or approve. Cast-iron pipes for use in other situations shall have a minimum thickness of  $\frac{1}{4}$ -inch, measured, in the case of lined pipes, without the lining, and their fittings shall correspond with them in weight and quality. All junctions shall be curved; right angled junctions shall not be made or permitted.

173. Brass Fittings for Waste, Combined Waste, and Vent Pipes:—Brass fittings shall be in accordance with the Australian standard specification, or to the Departmental standard drawings.

174. Copper and Brass Pipes:—Copper or brass pipes for soil, combined waste, and waste pipes shall be of seamless, solid drawn tube, connected in accordance with the provisions of By-law 191, and shall be of a diameter and thickness not less than those given in the table following:—

Nominal internal Diameter.	Minimum permissible actual internal Diameter.	Minimum permissible Wall thickness (S.W.G.).		British Standard Pipe Thread for Screwed Connections.
		Screwed Connections.	Brazed or compression Joints.	
$1\frac{1}{4}$ inch	$1\frac{1}{16}$ inch	12	16	$1\frac{1}{4}$ inch
$1\frac{1}{2}$ "	$1\frac{5}{16}$ "	12	16	$1\frac{1}{2}$ "
2 "	$1\frac{3}{8}$ "	11	16	2 "
$2\frac{1}{2}$ "	$2\frac{5}{16}$ "	11	14	$2\frac{1}{2}$ "
3 "	$2\frac{1}{8}$ "	10	14	3 "
4 "	$3\frac{3}{8}$ "	8	12	4 "

175. Use of Lead Pipes:—Lead pipes shall not be used where liable to be damaged.

176. Lead Pipes:—

(1) Lead pipes shall be supported by tacks or lugs wiped on in pairs to the pipes.

(2) Such tacks shall be not more than the following distances apart from centre to centre:—

4in. Vertical pipe ... .. 2ft. 6in. centres.  
4in. Horizontal pipes ... .. 2ft. centres.

(3) For pipe less than four inches diameter the distance between the centres of tacks or lugs shall be not more than three feet and two feet three inches respectively.

(4) The dimensions of the tacks or lugs shall be as follows:—

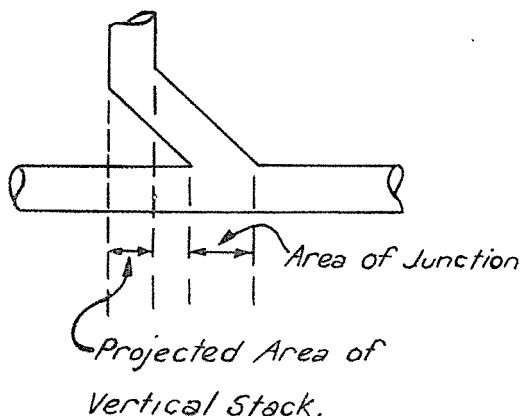
Diameter of pipe :  
4 inches ... .. 8 inches by  $\frac{1}{4}$ -inch.  
3 " ... .. 6 " "  $\frac{3}{16}$ -inch.  
2 " ... .. 4 " "  $\frac{1}{8}$ -inch.  
 $1\frac{1}{2}$  " ... .. 3 " "  $\frac{1}{8}$ -inch.

177. Minimum Permissible Gradients:—The following are the minimum gradients to be adopted for soil or waste pipes:—

Diameter of Pipe.	Minimum Gradient.	Diameter of Pipe.	Minimum Gradient.
$1\frac{1}{2}$ inches	1 in 15	3 inch	1 in 30
2 "	1 in 20	4 "	1 in 40
$2\frac{1}{2}$ "	1 in 25	6 "	1 in 60
		...	...

178. Junctions:—

(1) Where a waste stack is branched into a graded waste, the branch fitting shall have an angle of not less than 45 degrees to the graded pipe and the length of the branch of the fitting shall be such that the vertical projection of the attached stack will be wholly outside of the area of the junction with the graded pipe.



(2) Where a soil stack is branched into a graded soil pipe or drain it shall enter same on the horizontal at an angle of 45 degrees.

179. Sealing of Pipes:—Wherever a fixture is abolished, the soil, combined waste, waste, vent and water supply pipes to such fixture shall be removed, or, if allowed by the Department to remain, the end of the pipes shall be sealed with a screwed plug. Cast iron pipe may have the end securely closed with a wiped joint; stoneware pipe may have a stoneware disc cemented in.

180. Pipe Clips, etc.:—There shall be at least one pipe hook or clip to each six feet length of soil, combined waste, or waste pipe, in accordance with the provisions of By-laws 153 and 154 for vent pipes.



**181. Concealment of Pipes:—**

(1) All soil, combined waste, waste, and main vent pipes and traps shall be reasonably accessible at all times for inspection and convenience of repairing.

(2) In hospitals and similar institutions, all soil, waste, combined waste and main vent pipes, where practicable, shall be fixed on the outside of external walls or in pipe ducts having a minimum width of two feet, and minimum area of nine square feet (measured clear of all pipes or other obstructions), and shall be so arranged as to facilitate inspection and maintenance at all times. Such pipe ducts shall be provided with access doors so placed as to permit ready inspection of every straight line of waste, combined waste, soil, or main vent pipe.

(3) In buildings other than hospitals or similar institutions, if soil, waste, combined waste, or main vent pipes are concealed within pipe ducts or recesses in walls, such pipe duct or recess shall be provided with approved means of access, or, have at least one of its sides constructed of woodwork, brickwork in lime mortar, or other approved material, so constructed and fixed as to be capable of being removed independently of, and without damage to, any other part of the structure and provided with inspection opening so placed as to allow of ready inspection and cleaning of every straight line of soil, combined waste, waste or main vent pipe.

(4) Branch and anti-siphonage vent pipes may be concealed in hollow walls, or may be built in lime mortar in wall chases, provided the pipes and fittings are made of brass or copper in accordance with the requirements of By-law 174 for soil, waste, and combined waste pipes.

(5) All inspection or access openings to concealed pipes shall be finished throughout with smooth surfaces, and shall be of such size and shape as to permit the entrance of cleaning tools, as required, to the pipe.

(6) For the purposes of this By-law a straight line of soil, combined waste, waste or main vent pipe shall be taken to include any offset or deviation from the straight line of not more than 45 degrees and not more than three feet in length.

**182. Concealed Standing Wastes:—**Concealed standing wastes shall not be permitted.

**183. Painting:—**Except by permission of the Inspector, no painting shall be done on any part of the plumbing installation until after the work has been inspected and approved by the Inspector.

**184. Provision for Inspection and Cleaning:—**Inspection and cleaning eyes shall be provided on all soil, combined waste, and waste pipes in such positions as will provide access for proper inspection and cleaning of the entire length of the pipe.

**185. Inspection Openings on Soil Pipes, etc.:—**In all cases where the vertical stack of soil or combined waste pipe provided for closets six feet or more above ground level, measured from floor level of water closet to ground level at foot of stack, an inspection opening, eight inches in length and of sufficient width to take a four-inch testing plug and having a cover fixed to a flange with non-corrodible bolts or studs, shall be provided near the foot of the stack.

**186. Washers for Inspection Openings:—**Inspection opening to soil, combined waste and waste pipes shall be provided with insertion cloth, or other approved washers.

**187. Joints—Plumbing.**

**Stoneware, Concrete or Cast-Iron Pipes:—**Joints of stoneware, concrete or cast-iron pipes shall be made in accordance with the requirements of By-laws 122 and 123 or by other approved methods.

**188. Lead Pipe:—**All joints in lead pipe shall be plumber's wiped joints.

**189. Wrought Iron Pipe:—**The screwed ends and sockets of wrought iron pipes shall be so formed, and the threads so cut, that the ends of the pipes shall butt against each other when screwed home in the sockets; bends, junctions, and similar fittings shall be similarly formed and screwed, so that when the pipe ends are screwed home, the bore will be continuously uniform and without breaks or pockets. The burr shall be neatly filed off on the inner edge of all pipe ends. All screwed joints shall be made with approved jointing material.

**190. Wrought Iron Pipe to Lead Pipe:—**All joints between wrought iron and lead pipes shall be made by means of brass unions screwed to iron and wiped to lead.

**191. Brass or Copper Pipes:—**Joints on brass or copper pipes shall be made by means of brazing to the satisfaction of the Minister or in accordance with the Australian standard specification for "Compression joints and copper alloy screwed fittings for standard copper tubes," or by other approved means.

**192.—Lead Pipe to Cast-Iron Pipe:—**The connection of lead pipes or traps to cast iron pipes shall be made by means of brass sleeves; the brass sleeve shall be lined with and connected to the lead pipe or trap by means of a wiped joint and connected to the cast iron by inserting the sleeve in socket thereof and making the joint in the same way as in cast-iron pipe.

**193. Sheet-Iron Pipe to Cast-Iron Pipe:—**All connections of galvanised sheet iron to cast-iron pipes shall be made with molten lead, lightly but tightly caulked into the cast-iron socket.

**194. Sheet-Iron Pipe to Wrought-Iron Pipe:—**Galvanised sheet-iron pipes shall be connected to wrought iron pipes by means of brass unions or thimble soldered to the sheet-iron and screwed to the wrought-iron.

**195. Sheet-Iron Pipe to Lead Pipe:—**Connections of sheet-iron pipes to lead pipes shall be made by means of brass thimbles wiped to the lead pipe and soldered to the sheet-iron pipe.

**196. Welded Joints:—**Welded joints may be permitted provided the method of welding and a sample of the work is submitted to the Minister for his approval.

**197. Connection of Closet Pan or Slop Hopper Traps to Soil Pipe or Drain:—**Connection of an external closet pan or slop hopper to a drain or soil pipe shall be made

by means of a bituminous jointing material, consisting of a mixture of approved bitumen and finely graded inert mineral filler in equal proportions, filled in solidly into faucet of soil drain pipe and neatly splayed off at an angle of 45 degrees, or by other approved method. In the case of internal closet pan or slop hopper traps the joint shall be of metallic-ceramic type, but in approved position the closet pan or slop hopper trap may connect direct to the cast iron and a cement joint used, similar to that for stoneware or concrete as provided in By-law 122.

198. Cistern Flush Pipe to Closet Pan:—

(1) The flush pipe from cistern shall be connected to the water closet pan by an approved lead cap piece of not less than 4 lb. lead, packed with red lead or other approved material, or connection may be made by other approved method.

(2) The cap piece shall be jointed to galvanised sheet-iron, copper, brass, or drawn steel pipe by means of a soldered joint and to lead flush pipe by wiped or soldered joint.

(3) The connection of the flush pipe to cistern shall be by means of a brass union, wiped to lead pipe or soldered to sheet-iron pipe or by other approved method.

(4) Copper or Brass pipe shall be connected to cistern by means of a brass ring with nut, brazed to pipe or by other approved means.

199. Vent Pipe to External Closet Pan:—

(1) Vent pipes shall be connected to the vent horn of the water closet trap by an approved lead cap piece with red lead packing or by other approved methods.

(2) The cap piece shall be jointed to copper or brass pipe by means of a soldered joint and to lead pipe by a soldered or wiped joint.

(3) In the case of an internal closet pan the joint shall be of the metallic-ceramic type or approved equivalent.

200. Outlet Fittings to Fixtures:—

(1) Connections between outlet fittings and such fixtures as baths, sinks, basins, troughs, etc., when the latter are constructed of cast-iron, plate-iron, ceramic ware, or concrete shall be made with locknuts.

(2) The outlet fitting shall in all cases be connected to the waste pipe by means of a union.

(3) When approved fixtures are made of sheet metal lighter than 20-gauge soldered connections may be used in lieu of locknuts.

201. Waste Pipes to Troughs:—Connections of waste pipes to washtroughs shall be made as provided hereunder:—

(a) Cement troughs, unless otherwise permitted, shall have approved outlet fittings cast-in during manufacture of trough.

(b) Sheet metal troughs shall be connected to the waste pipe in compliance with the requirements of By-law 200.

(c) For wooden troughs, lead, copper, or brass waste pipes shall be connected in compliance with By-law 200, or shall have flanges connected to the waste pipes in accordance with the provisions of the By-law, and fastened to the underside of the trough with copper tacks, and the waste pipe shall then be turned over inside the trough, and the plug casting bedded over it with red lead putty and screwed to the trough with brass wood-screws.

(d) Where wrought iron or other screwed pipes are used, the plug shall be connected to the trough by means of a locknut in lieu of flange.

*Fixture Traps.*

202. Fixtures to be Trapped:—

(1) Every fixture shall be effectively trapped unless otherwise permitted, in writing, by the Minister.

(2) Separate traps shall be provided for each fixture, except lavatory basins or sinks which may be connected in pairs, provided that they are situated in detached outbuildings, open verandahs, in well ventilated sanitary blocks, and provided that the length of the waste pipe between the two fixtures shall not exceed three feet.

203. Position of Traps:—The traps in each case shall be placed, unless otherwise directed, as near the outlet of fittings as possible.

204. Form of Trap:—The "P" form of trap shall be used in preference to the "S" form where, in the opinion of the Inspector, it is equally suitable for the situation.

205. Materials:—Traps for fixtures, other than closet pans, slop hoppers or urinals, shall be of copper, brass or lead. All lead traps shall be of the weights specified in By-law 170 for lead pipes.

206. Depth of Water Seal:—Every trap shall have a water seal of two inches.

207. Gratings:—Non-corrodible outlet gratings, of approved design and material, shall be provided for all urinals and slop hoppers, and for all fixtures not discharging faecal matter.

*Water Closets, Slop Hoppers, Urinals and Flushing Apparatus.*

208. Provision of Water Closets:—

(1) At least one water closet, approved by the Department shall be provided for each house, building, or land required by notice from the Department to be connected with the Minister's sewer, and for each flat as defined in Clause 2 of this By-law.

(2) In every licensed victualler's property, restaurant, boarding house, lodging house, school, shop, factory, office, public building, or building used for public entertainment water closet and urinal accommodation shall be provided in accordance with the requirements of the Health Acts and/or Factories and Shops Acts of this State, or of any regulations made thereunder; provided that, in any property, other than a house or flat, which is not provided for in any of the Acts aforesaid, separate water closet accommodation shall be provided for males and females, one water closet for each ten or portion of ten persons for whom water closet accommodation is required.

(3) Water closets and urinals shall be so placed, either within or outside the building, as to ensure the due observance of decency and to be easily accessible to the occupiers of such building.

(4) After the date fixed by notice from the Department to the owner of any house, building, or land, requiring him to connect the same with the Minister's sewer, or after such further time as shall be allowed by the Department for the purpose of such connection, no privy closet, other than a water closet approved by the Department shall be used in such house or building or upon such land.

209. Airlocks for Water Closets:—

(a) Except as provided in clause (b) no water closet, within a building shall be entered directly from any room used for human habitation or for the manufacture, preparation or storage of food for human consumption, or used as a factory, workshop or work place. In cases where such closet would otherwise be directly entered an ante-chamber or airlock shall be provided for any such room, having a floor area of not less than 20 square feet and lighted and ventilated in accordance with the provisions of By-law 211. A hall, passage, lobby, or staircase may be considered as an airlock, provided it has a floor area of not less than 20 square feet and complies with the requirements of By-law 211.

(b) The airlock may be omitted when a water closet within any building is entered from a bedroom provided that By-law 210 is complied with in regard to lighting but the ventilation shall be so arranged that a current of air is in circulation through the water closet independently of the room from which it opens off and the door of the closet shall be fitted with an approved self-closing device.

(c) No airlocks shall be required where ventilation in accordance with By-law 213 is provided to closets and/or urinals.

210. Lighting and Ventilation of Water Closets:—Except as provided in By-law 212, every water closet apartment within a building shall comply with the following conditions, viz.:—

(a) One of its sides shall be an external wall of such building, abutting on to a street or lane, or an open space within the property having a width of not less than four feet and an area of not less than the following:—

For first storey above floor level of open space	..	36 sq. feet.
For second storey above floor level of open space	..	72 sq. feet.
For all other storeys above floor level of open space	..	100 sq. feet.

(b) Each water closet shall be provided with a window in such external wall, having a clear light area of not less than 2 square feet per closet pan and capable of being opened.

(c) Each water closet shall be provided with direct ventilation to the open air from a point near the ceiling level. Such ventilation shall be provided by a vent or vents, carried as direct to the open air as is practicable and boxed throughout, and having a minimum clear area at any point of not less than 24 square inches per closet pan.

(d) Glazed louvres may be used in lieu of windows and ventilators, subject to their providing a clear light area of not less than two square feet per closet pan and a clear ventilation area of not less than 24 square inches per closet pan. The position of a louvre shall be as laid down in Clause (c).

211. Lighting and Ventilation of Airlocks:—

(1) Each airlock shall be:—

(a) provided with a window on an external wall, having a clear area of not less than 2 square feet for each 100 square feet, or part of 100 square feet, of floor area of airlock; or

(b) separately lighted by electricity and provided with a switch within the airlock.

(2) Every airlock shall be provided with direct ventilation to the open air from a point near ceiling level. Such ventilation shall be provided by a vent, or vents, carried as direct to the open air as is practicable, and boxed throughout, and having a minimum clear area at any point of not less than 24 square inches for every 100 square feet or part of 100 square feet of floor area of airlock.

*Alternative Methods of Lighting and Ventilating.*

212. Water Closets and Airlocks:—

(1) Subject to the approval in writing of the Minister first being obtained, water closets and airlocks in buildings, other than hospitals and similar institutions, may be ventilated by one of the following methods, instead of by the method set out in By-laws 210 and 211, viz.:—

(a) (i) In buildings up to four storeys in height (measured from the floor of the lowest water closet to be so ventilated) the water closet apartments and airlocks may abut on to a ventilating shaft, open to the sky and carried to such height as may be necessary to prevent the deflection of wind currents down the shaft by neighbouring structures. No rooms, other than water closets, airlocks, bathrooms, urinals, and slop hopper apartments may open on to such shaft.

The area of such ventilating shafts, and the maximum number of water closets, urinals, or slop hoppers to be served by any one such shaft, shall be in accordance with the following table:—

Height of Ventilating Shaft in Storeys.	Minimum Area of Ventilating Shaft.	Maximum permissible number of Closet Pans or Urinals on any Vent Shaft.
1 or 2	16 sq. feet	4
3 or 4	1st and 2nd storeys 16 sq. feet 3rd storey ... 20 „ Top storey ... 24 „	10

No dimension of such ventilating shaft shall be less than four feet.

- (ii) In buildings in which such ventilating shaft is three or four storeys in height, a ventilating duct, having a clear area of not less than two square feet, shall be carried from the bottom of the ventilating shaft to an external wall and shall be boxed throughout.
- (iii) Every water closet or airlock which abuts a ventilating shaft as aforementioned shall have a window, capable of being opened to such shaft, with an effective glass area at least equal to one-fifth of the floor area of the apartment with a minimum of four square feet, and in addition shall be provided with ventilating openings to the ventilating shaft having a total clear area at any point of not less than 50 square inches per closet pan.
- (iv) Where water closets are situated in a basement or cellar, in addition to the abovementioned requirements, there shall be provided a ventilating duct, carried through the roof, and fitted with an approved cowl designed either to give a positive up draught or down draught in the duct, at the option of the owner. Such ventilating duct and cowl shall be capable of changing the air in each water closet or airlock served by it, at least six times per hour, when subject to a wind velocity of four miles per hour, the inside and outside temperatures being equal. Ventilating duct shall be 24 square inches for each closet pan served by the said duct.
- (b) The water closet may be ventilated by a mechanical system of exhaust ventilation in compliance with the requirements of By-law 213.
- (2) Every water closet permitted by the Department to be ventilated in accordance with this By-law shall be separately lighted by electricity and provided with a separate switch within the compartment.

#### 213. Mechanical Ventilation of Water Closets:—

- (1) Every system of mechanical ventilation shall be approved by the Minister, and be capable of changing the air contents of the water closets served at least six times per hour.
- (2) In every such case, the ventilating fan, and the power unit operating same, shall be in duplicate, unless the main air shaft shall, in the opinion of the Minister be designed to act as an efficient natural vent in the event of the mechanical equipment failing.
- (3) Upon completion, the owner or his representative shall carry out such tests of the ventilating system as the Department may deem necessary.
- (4) Such mechanical system shall be operated continuously and maintained in good working order and condition, under the direction of a properly qualified person.
- (5) Any such mechanical system shall be open to inspection by the officers of the Department at all reasonable times, and shall be subject to such tests as the Department shall, from time to time, direct.
- (6) Subject to the requirements of By-law 181, air shafts may be used, also, as pipe shafts.
- (7) The failure, for a period longer than 48 hours, of any such ventilating system to operate efficiently, or to fulfil the requirements of this By-law, shall be an offence against these By-laws.

#### 214. Floors, Walls, etc., for Water Closets and Slop Hoppers:—

- (1) In water closet or slop hopper apartments within a building, unless the floors are constructed of concrete of not less than four inches thickness, or of other approved impervious material, graded as directed, safes of lead, or of other approved impervious material, in accordance with the requirements of By-laws 256, 257 and 259 shall be provided.
- (2) In wooden water closets the bottom plates and plinths shall be of approved hardwood and the frame shall be securely fastened to the floor and made rigid, without attachment to fences.
- (3) The floor of every external water closet shall be constructed of concrete or other approved impervious material not less than four inches thick, and shall have a slope of one-half inch to each foot towards the door.
- (4) Closets for different sexes shall not adjoin each other, unless separated by a wall of brick, stone, or concrete of approved thickness, such wall may be the wall of one closet or common to both.
- (5) The door of every external closet or urinal shall be properly screened, at least six feet high, and reaching to the ground; and if required a screen shall be fixed to prevent the closet or urinal being visible from overlooking windows.

(6) Any closet for the use of females shall have a separate entrance behind such screen, and such entrance shall not be within 12 feet, from the entrance of any closet intended for the use of males.

215. Fixing Closet Pan:—

(1) On concrete floors, or floors of tiles set in concrete, the closet pan shall be securely fixed with brass screws to approved lead dowels set in the floor or by other approved means. Where pans are fixed on wooden floors such floors shall be covered with lead or approved composition.

(2) The base of the pan shall be secured with brass screws to a raised block covered with lead or composition finishing  $1\frac{1}{4}$  inches above floor level and the block shall not extend beyond the base of the pan.

216. Closet Pans:—Closet pans shall be of approved non-absorbent material and constructed, in accordance with the Department's standard drawings and specifications or as otherwise approved under the hand of the Minister.

217. Closet Pan Seats:—

(1) Where a seat is provided it shall be of approved construction and material, fitted with non-corrosive hinges and screws, and secured to pan in approved manner.

(2) Seats with holes of such size and shape as to cause fouling of pan shall not be used.

218. Flushing Apparatus:—

(1) Approved apparatus shall be provided for the effective application of water to the closet pan, and for the efficient flushing and cleansing of the pan, and the removal therefrom of any solid or liquid matter which may, from time to time, be deposited therein.

(2) Such apparatus shall have a flushing capacity of two gallons except as provided in clause (3) By-law 219 and shall be so constructed, fitted, and placed as to supply water for use in the pan without any direct connection from the pan to any water service pipe upon the property.

219. Flushing Cisterns:—

(1) Flushing cisterns shall be fixed at such height as will effectually flush the pan, but, except by special permission no cistern shall be fixed at a less height, measured from top of seat to bottom of cistern, than 5 feet where  $1\frac{1}{4}$ -inch flush pipe is used or 4 feet when  $1\frac{1}{2}$ -inch flush pipe is used.

(2) There shall be a distance of at least 9 inches between top of cistern and ceiling of closet.

(3) Low level flushing cisterns shall be permitted provided that the flush is not more than  $2\frac{1}{2}$  gallons, and the suite has been passed by the Department as a complete unit.

(4) Bearers for cement flushing cisterns with storage capacity; with a span of over three feet six inches, four inch by three inch dressed jarrah shall be used; or with a span of three feet six inches or less, four inch by two inch may be used.

(5) Cisterns fixed on iron brackets shall be provided with four inch by one inch dressed jarrah cleats with chamfered edges.

(6) Cistern brackets shall be approved galvanised iron or black iron painted and secured to wall and cleats with quarter-inch bolts of required length.

(7) Water supply pipes to cisterns shall be adequate to fill any cistern at the rate of not less than one gallon per minute when one other tap on the service is turned full on.

220. Flush Pipes:—

(1) Flush pipes to closet pans shall be of brass, copper, six-lb. lead or drawn galvanised steel, of not less than 22 gauge, or other approved material, and shall have a minimum diameter of  $1\frac{1}{4}$  inches.

(2) When liable to injury by the closet pan seat, flush pipes shall be fitted with an approved buffer and buffer block.

221. Flushing Apparatus other than Cisterns:—Flush valves shall be of a type approved by the Minister and in each case shall be provided with a fullway stop cock fixed in such position as to be easily accessible.

222. Storage Tanks:—

(1) Provision for the storage of water for flushing purposes shall be made in schools, hotels, hospitals, public institutions and other buildings when directed and whenever flushing valves are installed.

(2) The storage tank shall have a capacity of not less than 10 gallons for each water closet, slop hopper or urinal stall and any other approved fixture required to be flushed, with a minimum of 50 gallons when directed by the Minister.

(3) Where the capacity of a tank exceeds 50 gallons it shall be fitted with a fullway valve on the main feed to valves.

(4) Flush valves installed in private residences and self-contained flats shall be provided with independent storage tanks.

(5) In no case shall plumbing fixtures be served with water from a storage tank supplying a hot water system, unless the supply is taken off at a point in the cistern where it will not lessen the storage capacity required for the plumbing fixtures.

(6) Unless otherwise approved by the Inspector, the storage tanks shall be placed on the roof over a flat or gutter, or in an accessible place between the ceiling and the roof, in which latter case a safe of galvanised iron, lead, or other approved impervious material, with at least a  $1\frac{1}{2}$  inch overflow, shall be fixed under the storage tank.

(7) Every storage tank shall be provided with an approved cover.

(8) The head of water measured vertically from the top water level of storage tank to the level of the point of discharge into a cistern shall be not less than ten feet, but the head in the case of discharge into a flush valve shall be such that the flush valve will operate to the test required by the Minister.

(9) The water supply pipes from storage tanks to cisterns shall be not less than the following diameters:—

For 1 or 2 cisterns	.. ..	¾-inch diameter.
For 3 to 6 cisterns	.. ..	1-inch diameter.
For 7 to 25 cisterns	.. ..	1½-inch diameter.
For 26 to 50 cisterns	.. ..	2-inch diameter.

(10) Where more than 50 cisterns are supplied, or where more than 10 cisterns are subject to a head of less than 20 feet, measured vertically from the top water level of the storage tank to the level of the point of discharge into the cistern, the case shall be submitted to the Minister for decision.

(11) Where the head of water supply from the storage tank to the flushing cistern is less than 20 feet, a low pressure ball valve shall be provided to the cistern.

(12) The water supply pipes from storage tanks to flush valves shall not be less than the sizes determined from:—

- (a) The available head measured vertically, in storeys, from the level of the first flush valve served by the portion of supply pipe under consideration to the normal water level of the storage tank; and
- (b) the total number of flush valves served by that portion of the supply pipe under consideration; in accordance with the following table:—

Available Head in Storeys.	Diameter of portion of Supply Pipe under consideration.	Maximum permissible number of Flush Valves served by portion of Supply Pipe under Consideration.	
		Galvanised Wrought-iron Pipe.	Copper or Brass Pipe.
1	1½ inches	1	2
	2 "	10	15
	2½ "	30	50
	3 "	100	150
2	1½ inches	2	3
	2 "	15	30
	2½ "	50	150
	3 "	100	150
3	1½ inches	2	4
	2 "	25	50
	2½ "	100	150
4 or more	1½ inches	2	6
	2 "	40	100
	2½ "	100	150

(13) Where the flush valves to be supplied exceed the maximum number above stated, or where more than 20 flush valves are subject to an available head of less than 20 feet, the case shall be submitted to the Minister for special investigation. The overflow from a storage tank shall be not less than 1½ inches in diameter.

#### 223. Venting Closet Pans, Slop Hoppers, and Urinals:—

(1) Unless otherwise directed or permitted, every closet pan, slop hopper, or urinal which is not connected directly to a drain, shall discharge into a soil ventilator pipe or combined waste ventilation pipe except in the case where there are no other fixtures connected to the soil pipe or combined waste pipe in which case discharge will be permitted into a soil pipe or combined waste pipe without extension as a ventilator pipe, provided the fixture is ventilated by an anti-siphonage vent in accordance with the requirement of By-laws 146 and 160.

(2) Except as hereinafter provided every internal closet pan, slop hopper or urinal and every external closet pan, slop hopper, or urinal, the outlet of which is over 10 feet from vented drain, or if siphonage occurs, shall be ventilated by an anti-siphonage vent in accordance with By-laws 146 and 160: Provided that the installation of an anti-siphonage vent shall be optional if—

- (a) The outlet of fixture is within 2 feet 6 inches of soil vent pipe or combined waste pipe.
- (b) No closet pan, slop hopper, bath, wash-troughs or group of other fixtures of total discharge rate exceeding eight fixture units is connected to such soil pipe or combined waste stack at a higher level; and
- (c) No siphonage occurs.

224. Grouped External Closets:—Where there are two or more external water closet pans grouped and connected directly to a drain, the drain shall be separately ventilated for every group of not more than three pans with vents in accordance with the requirements of By-law 160, for branch vents, or each closet pan may be ventilated by means of an anti-siphonage vent in accordance with the requirements of By-laws 146 and 160.

225. Urinals—General:—Every restaurant, boarding house, lodging house, school, shop, factory, office, public building, or building used for public entertainment and any premises licensed under the Licensing Act, 1911, shall be provided with urinal accommodation in accordance with the requirements of the Health Acts and/or Factories and Shops Acts of this State and of any regulation made thereunder.

226. Internal Urinals:—The position, approaches, arrangement of lighting, ventilation, etc., for internal urinals shall comply as nearly as possible with the provisions as to internal water closets, but the ventilation shall be such that at least 50 square inches clear opening for each stall shall be provided.

## 227. Details of Constructions, etc.:—

(1) Unless otherwise approved by the Minister only round-backed stall type urinals of approved design, and constructed of approved impervious materials, shall be used.

(2) The soil pipe shall be of lead, pottery-ware, or glass enamelled or coated cast-iron, or other approved material, and shall be kept as short and free from bends as practicable.

228. Treatment of Floors:—The floor in front of a urinal shall be covered with approved impervious material for a width of not less than 1 foot 6 inches, and graded to drain to urinal.

229. Impervious Materials for Internal Urinals:—For the purposes of this division the following materials shall be deemed impervious:—

(a) For urinals:—Glazed fire clay or salt glazed stoneware.

(b) For floors in front of urinals:—Cement mortar composed of equal parts of cement and sand, glazed tiles set in cement mortar, marble, and slate.

230. Hose Taps for Urinals:—Every public urinal shall be provided with a tap suitable for hosing of floors.

## 231. External Urinals:—

(1) External urinals shall be constructed in an approved position of approved slabs of slate or other impervious material and channels.

(2) The slabs shall be fixed against a brick or concrete wall in an approved manner, and shall be at a height of at least four feet from the floor.

(3) All fastenings shall be of brass, and channels shall be of stoneware six inches wide, of semicircular section and graded with an even fall to outlet of half an inch to the foot.

(4) An outlet shall be provided for each ten feet of channel or part thereof.

(5) The floor in front of every urinal shall consist of approved impervious materials for a width of one foot six inches as provided in By-law 228 and shall be graded towards the channel with a fall of one inch to the foot.

232. Flushing Apparatus:—Flushing cisterns fitted with a chain or other approved apparatus operated by hand, shall be fixed on all urinals unless automatic flushing cisterns are permitted or directed by the Department.

## 233. Flushing Cisterns:—

(1) The discharge from a urinal flushing apparatus shall be not less than one gallon for each urinal stall, or for every two feet width of slab back urinal.

(2) The height of a cistern shall, unless otherwise permitted, be at least six feet six inches from the floor to the bottom of the cistern.

(3) The cistern shall be so fixed that the ball cock is accessible.

(4) A separate stop-tap shall be provided for each urinal cistern.

## 234. Flush Pipes:—

(1) Flush pipes for urinals shall be constructed of copper or brass of the following diameters:—

For 1 gallon cistern  $\frac{3}{4}$  inch internal diameter.

For 2 gallons cistern 1 inch internal diameter.

For 3 gallons cistern  $1\frac{1}{4}$  inch internal diameter.

(2) Where permission is given to instal cisterns of greater capacity the size of the flush pipe shall be fixed by the Minister.

(3) (a) If the discharge pipe from the cistern used is  $\frac{3}{4}$  inch in diameter, one spreader only shall be permitted.

(b) If the pipe used is 1-inch in diameter, two spreaders shall be permitted.

(c) If the pipe used is  $1\frac{1}{4}$  inches in diameter, three spreaders shall be permitted.

(4) Saddle or bridge pieces shall be of approved diameter where same are necessary, and flush pipe clips, bolts, and screws used in fixing flush pipes and cisterns shall be of brass or copper.

(5) Where wall urinals are permitted the distance between spreaders shall not exceed two feet unless approved by the Chief Inspector.

## 235. Flush Valves for Urinals:—

(1) Every urinal flush valve shall be supplied from a storage tank which shall comply with the requirements of By-law 222.

(2) Urinal flush valves may be supplied from a storage tank serving water closets, or to the supply pipes therefrom, provided that the above storage capacity shall be provided in addition to that required for the water closets.

(3) A full-way stop-cock shall be provided for each flush valve in such a position as to be easily accessible.

236. Slop Hoppers:—Slop hoppers shall be made in one piece of approved impervious material and provided with approved flushing apparatus of two-gallon capacity similar to that set out for Water Closets in By-laws 218 to 222 inclusive.

237. Ventilation, Light, etc.:—The position, approaches, arrangement of light, and ventilation for slop hopper appointments shall comply, as nearly as practicable, with the requirements for water closets as set out in By-law 209 to 213 inclusive.

238. Bib-Cock over Slop Hopper:—A bib-cock shall be fixed directly over a slop hopper and at least 18 inches above such hopper.

239. Wash Troughs:—Wash troughs shall be of approved pattern and material, securely fixed, and graded to an outlet fitted with brass strainer sunk to the level of the bottom of the trough.



240. Troughs abutting against Brick Wash-coppers:—Wherever the end of a wash trough abuts against the brickwork of a wash-copper, the space between the end of the trough and the brickwork shall be bridged with approved waterproof material and made watertight.

241. Troughs in Buildings with Wooden Floors:—

(1) Where the distance to ground level from troughs installed in buildings with wooden floors is less than one foot, the stand or concrete pedestals shall be fixed on a concrete or brick base built up from below ground to floor level.

(2) Wooden stands shall be constructed out of not less than 4 inches by 4 inches jarrah for legs and 4 inches by 2 inches rails, bolted together in approved manner.

(3) A water tap shall be fixed over each trough unless otherwise ordered by the responsible officer.

*Sinks, Baths, Lavatory Basins and Shower Compartments.*

242. Fixing Sinks:—

(1) All sinks and approved combined sinks and draining boards shall be effectively supported and traps and waste pipes shall be left readily accessible for inspection and cleaning.

(2) Wooden draining boards attached to sinks shall be constructed of suitable timber not less than one and one-quarter inches thick properly fluted and graded into the sink.

(3) The board shall be bedded on top of the sink with white lead putty and shall not be stopped after fixing or shall be made of approved composition constructed on similar lines to that of wood and fixed in a similar manner.

243. Galvanised Sheet Iron Baths:—Galvanised sheet iron baths shall not be enclosed and the bottom of each bath shall be effectively supported on legs.

244. Shower Compartments:—

(1) The floors of shower compartments shall be graded to an approved two-inch diameter trapped outlet, and shall be constructed of not less than four inches of concrete, trowelled smooth or covered with tiles set in cement mortar, or of other approved impervious materials, or, if constructed of timber, shall be covered with enamelled cast iron, approved non-corrosive sheet metal, or other approved material, turned up at the edges and flashed in accordance with the requirements of By-law 165.

(2) The level of the grating on the outlet shall be at least two inches below the level of the floor outside and adjoining the shower compartment, or where a kerb is provided, two inches below the level of the kerb.

(3) The walls of shower compartments shall be finished with cement mortar rendered to a smooth surface, or covered with tiles set in cement mortar, or shall be lined with approved non-corrosive sheet metal, or other approved impervious material.

245. Showers over Baths:—Showers shall not be fixed over baths unless bath or bathrooms comply with the following conditions:—

(a) Walls within a radius of three feet from shower to be of an impervious nature.

(b) Approved impervious floor graded to an outlet provided with approved flap valve.

(c) A clear space of not less than six inches shall be left around bath if not flashed in accordance with By-law 165; or

(d) Where bath is provided with an approved shower shield attachment, paragraphs (a), (b) and (c) hereof shall not apply.

246. Venting of Lavatory Basins:—All lavatory basin wastes shall be provided with anti-siphonage vents.

247. Venting of Kitchen Sinks discharging into Grease Traps:—All kitchen sinks discharging into grease traps shall be vented irrespective of the length of waste.

248. Lavatory Basins and Sinks:—

(1) All basins and sinks shall be of approved type and if provided with an overflow they shall be of the weir pattern.

(2) Tip-up lavatory basins shall not be permitted unless by special permission of the Minister.

(3) Basin brackets shall be bolted to wall in approved manner.

(4) Unless otherwise requested in writing to the Minister pillar taps shall be provided attached to basins.

(5) Traps, other than lead traps connected direct to a porcelain basin without an expansion joint shall be fixed at owner's risk.

*Bed Pans, Bottle Slop Sinks, Bidets, Dental Units, Glass Washers, Teapot Washers and Foot Baths.*

249. Bed pans, bottle slop sinks, bidets, dental units, glass washers, teapot washers, foot baths and other fixtures of a similar type shall be submitted for approval before fixing.

250. Bed Pan and Bottle Slop Sinks:—

(1) Shall be provided with approved flushing apparatus and shall be connected and vented to a soil pipe or drain in a similar manner as for connection of a water closet.

(2) The lighting, ventilation and approaches of such sinks shall also conform to the requirements specified for internal water closets, as provided in By-laws 209 to 213 inclusive.

(3) The water supply to jets shall not be connected direct from the Minister's supply, but from a storage tank fixed at approved height.

(4) The service pipe to the jets shall be provided with a spring valve. Where a steam jet is used in such fixtures for sterilising purposes an approved vent pipe shall be taken off the fixture.

## 251. Bidets:—

(1) Bidets shall be provided with not less than 1¼ inch waste pipe, trapped and vented in a similar manner to lavatory basins.

(2) The waste supply shall conform to the requirements as specified for bed pan and slop hoppers.

## 252. Dentals Units:—

(1) Dental units shall be provided with 1½-inch waste pipe, trapped and vented.

(2) The trap may be placed at floor level provided that the waste pipe between the trap and the fixture is one inch diameter copper or brass and free from bends.

(3) The water supply to the fixture shall be provided with a stop-cock and check valve which shall be fixed as near to the fixture as possible.

(4) The water supply pipe serving the dental unit shall not pass through the waste recesses of the unit.

## 253. Glass and Tea Pot Washers:—

(1) The waste water from glass and tea pot washers shall discharge into an approved 24-gauge copper or brass funnel which shall be trapped and vented in a similar manner as for baths and troughs.

(2) The waste pipe attached to the fixture shall terminate one inch above the top of the funnel.

(3) An independent stop cock shall be provided for each fixture.

254. Foot Baths:—Approved foot baths shall be provided with not less than 1½-inch waste pipe trapped and vented, similarly to wash troughs and baths and the dimensions of such baths shall be approved by the Minister.

*Safes and Overflows.*

255. Safes—where required:—Unless the floor is constructed of concrete of not less than 4 inches thickness or of other approved impervious material, graded as directed, safes of lead or other approved impervious material shall be fitted under slop hoppers and water closets, and under baths and wash troughs, where in the opinion of the Minister, there is a likelihood of damage being caused by the bath or troughs overflowing.

## 256. Lead Safes under Fixtures:—

(1) All lead safes shall be laid with sheet lead weighing not less than 5 lbs. per square foot and where the whole floor is not covered with lead, the safe shall extend, in the case of pans and slop sinks, 12 inches beyond the sides and 15 inches beyond the front of the fixture, but in the case of baths and wash troughs the safe shall extend 12 inches beyond the end and two feet beyond the front of the fixture.

(2) The lead safe shall in all cases extend back to and three inches up the wall, and the roll of safes shall be two and a half inches wide and one inch high, and constructed as directed.

(3) The safe shall discharge in some conspicuous place.

(4) This By-law shall not apply to any water closet situated on the ground floor of any house or building, and where in the opinion of the Inspector there is no likelihood of damage being caused by leakage or blockage.

257. Safe Overflows:—Unless otherwise permitted, every safe shall be drained by a separate two-inch diameter pipe provided at the inlet with a brass grating and at the outlet into the open air with a flap valve of brass or other approved metal and shall not connect with any waste pipe, soil pipe, drain or sewer.

## 258. Cistern Overflows:—

(1) Every cistern supplied with water shall have an overflow pipe of adequate size discharging in such a position that it will not cause damage and will act as a warning pipe.

(2) On ground floors where cisterns are fixed over impervious floors graded to drain outside the room, the overflow may discharge on to such floors provided no damage is likely to arise therefrom.

## 259. Discharges from Safe Overflows:—

(1) Overflows may discharge into the open air above ground level only when the discharge, in the opinion of the Inspector, will not cause any inconvenience or nuisance.

(2) In all other cases the pipes shall be brought nearly to the ground surface, or be arranged to discharge where they will not prove a source of annoyance or inconvenience.

260. Existing Floors Under Fixtures.—Where necessary, in the opinion of the Minister, every existing floor under a fixture shall be regraded, and a proper discharge pipe with flap valve fixed.

261. Existing Fixtures and Fittings, etc.—All existing fixtures, fittings and apparatus not in accordance with these By-laws which in the opinion of the Minister are unsatisfactory shall be removed or replaced by approved fittings.

## 262. Supply of Water to Fixtures:—

(1) All water closets and other plumbing fixtures shall be provided by the owner with a sufficient supply of water from the Minister's Service unless otherwise directed by the responsible officer, for flushing purposes to keep them at all times in a proper and cleanly condition.

(2) Every owner of property who desires, or who has been ordered, to provide sanitary appliances for his property and to connect his property with the Minister's sewers, shall provide and have made the necessary connections for the conveyance of water, in accordance with these By-laws and any subsequent amendment thereof.

(3) The piping shall be of capacity sufficient to supply all sanitary fixtures on the property freely and continuously, and convey to the flushing cistern, flushing tank or other flushing apparatus of each water closet upon the property enough water to fill the same at an average rate of not less than one gallon per minute.

(4) The owner shall keep the piping of sufficient capacity to fill the flushing cistern, storage tank or other flushing apparatus, at an average rate of not less than one gallon per minute.

263. Fixtures not Connected with Sewer:—No water service pipe shall be laid to supply any plumbing fixture in any property connected to the Minister's sewer unless such fixture is connected with the said sewers; or unless special permission, in writing, has been previously given to lay such service pipe.

264. Storage Tanks:—

(1) Water supply pipes to storage tanks for internal closets shall be of not less than three-quarter inch diameter, and shall be provided with high pressure ball valves, except where the available pressure from the water supply system is not sufficient to allow of high pressure ball valves being used, and in such case the permission of the Minister to fix low pressure ball valves shall be obtained.

(2) A stop-cock shall be fixed on the supply pipe to the storage tank.

265. Maintenance and Defective Work:—

(a) Any soil, waste, combined waste, vent or drain pipe, trap, water closet, urinal, sink or other fixture or fitting which is laid, used, or constructed otherwise than in accordance with these By-laws or which, in the opinion of the Minister, is, or has become, bad or of defective quality, shall, upon notice in writing from the Department to the owner or occupier of the property or in the case of joint drainage to the owners or occupiers of the several properties be removed, altered, or repaired by the owner or occupier, as required by the Minister, and within the time fixed by him, and to the satisfaction and approval of the Inspector, and, in case such owner or occupier fails to comply with the requirements of such notice, he shall be liable to prosecution and a penalty for a breach of this By-law, or for an offence against the Act, as the case may be and/or the Department may, if it thinks fit, remove, alter, or repair the defective fitting, fixture or apparatus and charge the owner or occupier of the property with the cost so incurred, and proceed for recovery of the same in the manner provided by the Act.

(b) The occupier shall be responsible for cleansing and keeping clean the drain connected to the Minister's sewer and wherever such drain is used as a common drain by more than one occupier, the cost of cleansing and keeping clean shall be equally borne by each of the occupiers of such several properties.

## PART VII.

### *Rates and Charges.*

#### *Rates—How Payable.*

266. Rates shall become due and payable in each year in equal moieties in advance on the first day of July and the first day of January. Provided that in all cases where a rate is made after the first day of July in any year the notice of the order for the making and levying of such rate, published in the "Government Gazette" and a newspaper as provided by section 95 of the said Act shall specify the minimum sum payable as rate as aforesaid, and the date or dates when the rates shall be due and payable, and such rate shall be and become due and payable in accordance with the terms of such notice.

#### *Allowance for Rate.*

267. Subject to the provisions of these By-laws, every ratepayer will be entitled to consume on each separately assessed piece of land of which he is the owner or occupier that quantity of water which, if calculated at the price specified in the Schedule hereto as being that at which water is supplied in return for the rate, would amount to the equivalent of the water rate paid on each property, provided that such water is taken during the period for which the rate is struck.

#### *Proportion of Allowance Supplied where Meter Installed during Year.*

268. When, during the currency of the year in respect of which a water rate has been levied, a meter is attached to a pipe on any land supplied with water, the consumer shall pay for the quantity of water taken, as registered by the meter, from the time when the meter was attached, at the prescribed price per 1,000 gallons, so far as the water supplied is in excess of the quantity to which the consumer is entitled in respect of the proportionate part of the rate paid by him, apportioned to the period from the date when the meter was attached, to the end of the then current year in respect of which the rate was paid.

#### *Payment for Excess Water.*

269. Every ratepaying consumer taking water in excess of the quantity to which he is entitled in respect of the rates shall pay for the excess in accordance with prices set forth in the Schedule in By-law 278.

Gazettes 27/1/1939, 31/7/1942.

Fees for additional Services.

270. In any case where the owner or occupier of any separately rated or non-rated piece of land requires more than one service to be installed for supplying water to such land such additional service or services shall, at the discretion of the Minister, be installed on such occupier or owner paying in advance the cost of installation and a fee of not less than Two pounds per annum, in addition to meter rent, for each additional service. Such owner or occupier shall also bear cost of installing meter and maintaining service and of having it disconnected when it is no longer required. In return for such fee an equivalent quantity of water will be supplied in each year, in the same way as water is supplied in return for water rates. The allowance of water made in return for water rates or minimum water fee paid in respect of original and additional services to each separately assessed property shall not be pooled and set against the quantity drawn through either service or both services. The provisions of this by-law shall not apply to any apparatus referred to in by-law 277(A).

Meter Rents.

271. Every person supplied with water by measure to other than rated premises, private residences, or non-ratable hospitals, shall pay meter rent in advance according to the following scale:—

Size of Meter.							Annual Rent.
							s.
$\frac{1}{4}$ inch	...	...	...	...	...	...	10
$\frac{3}{8}$ "	...	...	...	...	...	...	10
$\frac{1}{2}$ "	...	...	...	...	...	...	10
$\frac{3}{4}$ "	...	...	...	...	...	...	10
1 "	...	...	...	...	...	...	15
$1\frac{1}{4}$ inches	...	...	...	...	...	...	15
$1\frac{1}{2}$ "	...	...	...	...	...	...	20
2 "	...	...	...	...	...	...	25
3 "	...	...	...	...	...	...	30
4 "	...	...	...	...	...	...	40
Over 4 "	...	...	...	...	...	...	50

Disconnection and Reconnection Fees.

272. In every case in which the supply of water shall have been cut off by reason of non-payment of rates or other charges or by reason of a defective service, or by request of the occupier or owner, or when in the opinion of the Minister or local officer, necessary to prevent waste of water, or for other reasons, a minimum fee of five shillings shall be charged for disconnection, and a similar fee for reconnection; provided that, where the cost exceeds the minimum fee, the actual cost of the disconnection and reconnection, as determined by the Minister, shall be charged, and shall be payable by the owner or occupier for the time being on demand. The service shall not be restored until such fee has been paid.

Private Fire Services.

273. Private fire services will be allowed, but every such service shall be sealed, except in cases where the Minister may decide that sealing is unnecessary. For each such service the owner or occupier shall pay in advance the actual cost of installation and a minimum annual fee and meter rent as determined by the Minister in each case, and such owner or occupier shall also bear the cost of maintaining the boundary service and of having it disconnected when it is no longer required. The owner or occupier for the time being shall in addition at his own risk and expense, and subject to the provisions of these By-laws, keep the internal fire service in good order and repair, so that the same shall at all times be in accordance with the By-laws. No water shall be taken from any sealed portion except for extinction of fire. In the event of the seal having been broken in case of fire or by accident or otherwise, the owner or occupier shall give notice forthwith to the Department and pay the cost of re-sealing.

When Accounts Due and Payable.

274. Where water is supplied by measure to the owner or occupier of land, whether rated under the Act or otherwise, payment for same shall become due and payable within fourteen days after due service of the account, unless otherwise agreed upon.

Flushing Allowances.

275. Every consumer of water who received his supply of water through a meter and pays for such supply an amount exceeding the sum which he would be required to pay upon the rating of his premises, shall, out of such excess, be allowed, so far as such excess will admit thereof, a deduction equal to the value of 5,000 gallons of water per annum on account of each water closet on the premises, for which the supply of water for the flushing shall pass through and be recorded by such meter, except in case of factories or premises having a range of privy closets receiving their water flush from one flushing cistern, in each of which cases the allowance or deduction shall be equivalent to the value of 3,000 gallons of water per annum for each privy seat in such range.

## Minimum Fees for Water and Sewerage Services to Non-rateable Properties.

276. Annual minimum fees in accordance with the scale prescribed hereunder shall be payable by owner for water and sewerage services to non-rateable properties:—

## Water Services.

Classification of Service :		Annual Fee per Boundary Service.	
		£	s. d.
Sports and recreation grounds, clubs and open cemeteries	... ..	4	0 0
Industrial and Trading :			
State Government (including Railways and Tramways)	... ..	3	0 0
Local Government (including Pounds)	... ..		
Private Trading Concerns (including private hospitals)	... ..		
Religious Trading Concerns (including laundries)	... ..		
Schools, other than Government	... ..	2	10 0
State Government Institutions (including schools and University but not Public Hospitals)	... ..		
Local Government Institutions	... ..		
Public Institutions	... ..		
Horse Troughs	... ..	2	0 0
Institutes, Libraries and Halls (other than War Memorial Halls) maintained by committees and used for public recreation free of charge	... ..		
Closed Cemeteries	... ..		
Domestic :			
Private Residences	... ..	2	0 0
Manses and Quarters of Religious bodies	... ..		
State Government Residences (including Station-masters' Quarters)	... ..	1	10 0
Churches and Sunday Schools	... ..		
Public Standpipes, Drinking Fountains and Taps	... ..	1	0 0
Parks and Reserves (open to public)	... ..		
Religious and Charitable Institutions	... ..		
Public Hospitals	... ..		
Public Sanitary Conveniences	... ..		
War Memorial Halls	... ..		
Commonwealth Properties	... ..	Annual fee for each separately assessable property based on the annual valuation of property and current water rate.	

## Sewerage Services.

Sewerage Services.								Annual Fee per Water Closet.		
								£	s.	d.
Classification of Service :										
Churches and Sunday Schools	...	...	...	...	...	...	1	0	0	
Police and other Barracks	...	...	...	...	...	...	}	2	10	0
Public Hospitals and Quarters	...	...	...	...	...	...				
Convent-Nunneries, Monasteries, Orphanages and Charitable Institutions										
Religious Bodies' Laundries	...	...	...	...	...	...				
Public Sanitary Conveniences	...	...	...	...	...	...				
Private Residences and Services to buildings and lands not otherwise specified ... ..								2	0	0
Commonwealth Properties ... ..								Annual fee for each separately assessable property based on the annual valuation of property and current sewerage rate.		

## Water for Building Purposes.

277. (a) Where water is required for building purposes, an application shall be lodged, in writing, on the prescribed form, and the charges shall be in accordance with the fees set forth in the schedule of prices of water in By-law 278.

(b) All fees and charges, except charges for water consumed in excess of quantity allowed in return for fee, shall be paid in advance. Charges for excess water referred to shall be payable in accordance with By-laws and Regulations relating to the sale of water by measure.

(c) When applying for a building service the applicant shall produce the plans of the building to be erected for endorsement thereon of fee paid, and shall also, if called upon, produce the specifications and contract.

(d) Charges shall be based on the cost of the building, and where there is no contract, the value of the proposed building shall be fixed by the Minister.

(e) No person shall use any water from an existing service for building purposes, including alterations and additions to existing buildings, without first making application for same, producing building plans and paying the necessary building fee.

(f) If any person shall use water in connection with any work, in addition to that mentioned at the time of applying to the Minister for a building supply, without first paying the necessary additional fees, the whole supply may be cut off at the consumer's expense without prejudice to the Minister's right to proceed for breach of the By-laws.

*Gazette 31/7/42.*

#### Water for Cooling Purposes.

277(A) (a) Any apparatus in which water is used for cooling purposes, including refrigerating equipment or machinery, or any apparatus or system used for the cooling of roofs, or for any form of air conditioning or temperature control, or in connection with any form of hydraulic ejector or hydraulic apparatus for power purposes, shall be deemed to be an apparatus within the meaning of this by-law.

(b) The use of water for any such apparatus shall be subject to the conditions and charges as set out in this by-law.

(c) From and after the commencement of this by-law, no apparatus shall be installed or used, and no apparatus previously installed shall be used in, on, or in connection with any property, land, or tenement unless the Minister shall have first consented thereto in writing.

(d) Applications for consent to instal or use such apparatus shall state the make and type, the minimum and maximum requirements, and any other information the Minister may require.

(e) If water used for or in the operation of any apparatus under full output exceeds the following quantities—

up to 30/6/43 .. .. .	1½ gallons per minute
from 1/7/43 to 30/6/45 .. .. .	1 gallon per minute
after 1/7/45 .. .. .	½ gallon per minute

it shall be re-used, unless consent to run it to waste shall have been obtained in writing from the Minister. If installation is such that the unit cuts in and out, the supply of water for cooling purposes must be automatically shut off when the unit cuts out.

(f) The quantity of water run to waste shall be limited to the quantity specified in the Minister's consent. The water which shall so run to waste shall be recorded by a meter specially affixed for the purpose and shall be paid for at 1s. per 1,000 gallons, in addition to the water rates and any other charge payable in respect of the property, land or tenement, and the applicant shall also be charged the cost of affixing the meter and the prescribed rent of meter.

Should water in excess of the quantity so specified in the Minister's consent be run to waste, every owner or occupier of the property, land, or tenement or other persons supplied by the Minister who shall permit or allow such excess water to be run to waste shall be guilty of an offence against this by-law.

(g) The owner or occupier or other person supplied by the Minister with water as aforesaid shall, at his own expense, make any alteration to the existing water service necessary in order that the subservice can be separately metered, and shall also pay the cost of removing the meter and disconnecting the subservice, if not further required, and during the continuance of the service shall keep or cause to be kept such apparatus, and all pipes in connection therewith, in a proper state of repair.

(h) In any case where the occupier or owner desires to draw the supply direct from the Minister's main through an additional service, such additional service shall, at the discretion of the Minister, be installed upon such occupier or owner depositing in advance the amount of the estimated cost of installation, in addition to the amount of the estimated cost of affixing a meter, and paying on completion of the work the actual costs thereof, whether they amount to more or less than the estimates. He shall also pay meter rent and bear the expense of maintaining the service and of having it disconnected when no longer required.

(i) Any owner, occupier, or other person who is supplied with water by the Minister aforesaid, who shall fail to comply with this bylaw, or who shall otherwise commit a breach of its terms, shall be deemed to be guilty of an offence hereunder, and shall be liable for each offence to a penalty not exceeding £10 and to a further penalty not exceeding £2 for each day the offence continues after notice thereof from the Minister.

#### 278. Schedule of Prices of Water:—

The scale of charges for water supplied within the Metropolitan Water and Sewerage District shall be as set out in the following Schedule, namely:—

##### *Schedule.*

##### Metropolitan Water and Sewerage District.

	Per 1,000 gals.
(1) Subject as hereinafter provided, the charge for water supplied in return for water rates or for minimum water fees, and for water taken in excess of the supply in return for water rates or minimum water fees ..	s. d. 1 6
(2) Provided that, where water is taken for domestic purposes in excess of the quantity of water allowed for water rates or minimum water fees:—	
(a) if full year's rates or minimum fees, and all arrears of rates and minimum fees and interest from previous years are paid on or prior to the 30th November of the current rating year, the charge for water so taken in excess of the quantity allowed for water rates or minimum fees will be reduced to .. ..	1 0
(b) If full year's rates or minimum fees and all arrears of rates and minimum fees and interest from previous years are not so paid, the charge for water taken in excess of the quantity allowed for water rates and minimum water fees will be .. ..	1 3

3. Provided also, that water supplied in excess of the quantity allowed for water rates or minimum water fees in respect of the following services will be charged for at the rates hereinafter stated, namely:—

(a) Industrial and trading services (other than building services) ..	1	0
(b) Services to bowling, cricket, golf, and other sports grounds, including school sports grounds (separately supplied), also cemeteries ..	1	0
(c) Services to parks and reserves open to the public but not used as sports grounds; public sanitary conveniences; religious and charitable institutions (except for trading purposes); public hospitals; and for street maintenance .. .. .	0	9

4. Special services of hills water (other than for shipping), subject to the approval of the Minister in each case:—

Fremantle and Suburbs .. .. .	2	6
Perth and Suburbs .. .. .	2	0

Applicants to pay full cost of installing and maintaining service, including installing meter and all annual charges, minimum fees, meter rent, disconnection of service when it is no longer required, etc., as fixed by the Minister.

5. Shipping services for water delivered on vessels at wharves .. .. . 4 0

Jetty man's services:—

5 p.m. to midnight—2s. 6d. per hour.

Midnight to 8 a.m.—3s. 6d. per hour.

Sundays and proclaimed holidays—3s. 6d. per hour.

6. Building services (metered or non-metered):—

(a) Buildings, etc., brick, stone, concrete:

If cost of building, etc.—

Under £50 .. .. .	5	0
£50 and under £200 .. .. .	10	0
£200 and under £1,000, one fourth per cent. on cost of building, etc., with minimum of .. .. .	20	0
£1,000 and over, one-fourth per cent. on cost of building, etc., up to £1,000 plus one-tenth per cent. on cost over £1,000.		

(b) Buildings, etc., wood and/or iron and asbestos with brick chimneys, or lath and plaster linings:

If cost of building—

Under £200 .. .. .	5	0
£200 and under £500 .. .. .	10	0
£500 and over .. .. .	20	0

Note.—These charges shall apply to new buildings and to alterations and additions to existing buildings, also to wood and iron buildings without brick or plaster work if service is available before completion of construction of building.

It shall be at the discretion of the Minister as to whether or not in any case a supply of water shall be classed as a supply for building purposes, and as to whether or not the supply shall be measured by meter.

Should the Minister specially meter a service, water shall be allowed in return for building fee at 1s. 6d. per 1,000 gallons, and the applicant shall pay for all water consumed in excess of such allowance at the rate of 1s. 6d. per 1,000 gallons.

In cases where supply is drawn through an existing metered service, water shall be allowed in return for building fee paid at 1s. 6d. per 1,000 gallons.

The cost of installing and maintaining service to boundary of premises, affixing meter and disconnecting service, shall, in addition to fee, be borne in each case by applicant or owner, provided that, if property is rateable and service is to remain as a means of permanent supply, the cost shall be defrayed by Department.

By-law No. 278 (6) shall be read in conjunction with By-law No. 277.

## PART VIII.

### GENERAL.

#### Division (1).—Water and Sewerage Services.

##### Supply to Rated Properties.

279. Applications for water services to rated properties shall be made on printed form procurable at the Head or Branch Offices, and shall be lodged not less than seven days before the service is required. Full information, as indicated on the prescribed form, shall be supplied, and the full amount of rates and other charges due on the premises to which a service is required shall be paid on or before application and before the work is commenced.

##### 280. Water Services to Non-rateable Properties:—

Applications for water services to non-rateable properties shall be made on printed form procurable at the Head or Branch Offices, and the Minister may provide a supply on payment of the prescribed minimum fees, the cost of extending the water main to the land if the main is not already extended thereto and installing service to boundary of land, and, except in cases of private residences and non-rateable hospitals, meter rent, if service is metered. Applicant shall also bear cost of installing meter and maintaining service and of having it disconnected when no longer required.

It shall be at the discretion of the Minister as to whether or not a meter shall be fixed in each case.

The minimum fee shall take the place of a water rate and the general provisions of these By-laws as applying to rate-paying consumers shall apply to consumers under this By-law.

#### Sewerage Services to Non-rateable Properties.

281. Applications for sewerage services to non-rateable properties shall be made on prescribed form procurable at the Head or Branch Offices and the Minister may provide a service on payment of the prescribed minimum fees, the cost of extending the sewer to the land if the sewer is not extended thereto and installing drain to boundary of land. Applicant shall also bear the cost of maintaining drain and of having it sealed when service is no longer required.

The minimum annual fee shall take the place of a sewerage rate and the general provisions of these By-laws shall apply to such services.

#### Separate Services Required.

282. Except with the written permission of the Minister not more than one house or tenement shall be supplied from a single water service. The Minister may, in special cases, consent to two or more tenements being supplied from one water service, but in such cases the sub-services shall be so arranged that the supply to each house shall be independent of the supply to the remaining houses and controlled by a stop-cock on such sub-service.

#### Sizes of Service Pipes.

283. The size of service pipe shall in each case be in accordance with the following scale:—

Annual value up to £50 .. .. .	½ in. service.
Annual value £51 to £150 .. .. .	¾ in. service.
Annual value £151 and upwards .. .. .	1 in. service.

All services over one inch shall be fixed at the discretion of the Minister.

#### Division (2).—Meters.

##### Fixing of Meters.

284:—

(1) Any officer appointed by the Minister for the purpose may fix a meter on any service, and shall determine the size and class of meter in each case.

(2) Meters will be supplied by the Minister and placed above or below the normal surface of the ground at the discretion of the Minister.

##### Repairs and Maintenance of Meters.

285:—

(1) Any person supplied with water through a meter belonging to the Minister shall pay the cost of making good any damage to such meter whilst on his land.

(2) Repairs required shall be done by the Officers of the Minister, and the expense incurred by the Minister in so doing shall, on demand, be paid by the owner or occupier of the land, and if not paid on demand shall be recoverable in the same manner as water rates.

##### Notice of Damage or Non-registration shall be given.

286. Any person supplied by the Minister with water through a meter shall, on finding meter damaged, or not registering, immediately give notice of the damage or non-registration to the Local Water Supply Office.

##### Interference with Meters.

287. No person shall break or in any way interfere with the seal fixed on the meter through which water is supplied by the Minister, or turn or attempt to turn any screw, bolt, or nut on or attached to such meter, or use any tool or appliance on any such meter, or introduce or attempt to introduce any body or substance into such meter, or in any way interfere with any portion of such meter, or any pipes or fittings attached thereto.

##### Period for Reading.

288. The quantity registered by a meter at any time between ten days before and ten days after any stated date may be taken as the reading of the meter at such date.

##### Averaging Consumptions.

289. During the time any meter is undergoing repair or should it cease to properly register the consumption of water, the Minister or any officer appointed by the Minister may, at his option, estimate the quantity of water consumed, by taking an average of the quantity used during any previous period, or by adopting any other basis of adjustment, as the Minister may determine, and the quantity so ascertained shall be paid for by the consumer.

##### Testing Meters.

290. If any consumer shall at any time be dissatisfied with any particular reading of a meter, and be desirous of having the meter tested, he shall give written notice thereof to the Minister or his officer within seven days from date of receipt of notice of such reading, and thereupon the said meter shall be tested by passing through it a predetermined quantity of water, and if upon such testing it shall appear to the satisfaction of the Minister or his officer that the meter registered five per cent. or more in excess of the quantity that shall actually pass through it at such testing, then the Minister shall bear the expense of and incidental to such testing and shall also adjust the charge to the said consumer; but if the meter upon such testing shall not register five per cent. or more in excess of the quantity that shall actually pass through it, then the consumer shall pay to the Minister all the expenses of and incidental to such testing:



Provided that the expense of every test shall be fixed by the Minister, subject to a minimum charge of five shillings for each test; provided also, that the consumer shall not, unless the Minister decides otherwise, be at liberty to avail himself of the right to test the registration of the meter for any period other than the period of registration next preceding the date of reading in respect of which he shall have given notice as aforesaid.

*Division (3)—Offences and Penalties.*

*Misuse of Water.*

291. Any person entitled to a supply of water for domestic purposes only or entitled only to a supply of water for any other specified purpose, shall not use such water for any other purpose except that specified.

*Water not to be used on other Premises.*

292. No person shall, without the written permission of the Minister, use water supplied by the Minister except on the premises in respect of which application was made for the service from which the water was drawn, or carry away any such water from such premises, or allow any other person to carry any such water away therefrom.

*Illegal taking or selling of Water.*

293. No person whether entitled to receive water from the Minister or not shall, without the written permission of the Minister, take, carry away, or allow to be taken or carried away, such water from his premises, or sell the same to any other person.

*Waste of Water.*

294. No person supplied with water by the Minister, whether by meter or otherwise, shall allow the same to run to waste.

*Non-metered Supply to be used for Domestic Purposes only.*

295. It shall not be lawful for any person to use water for other than domestic purposes, unless such water is measured by a meter, and in the case of a metered supply the Minister or any officer appointed by the Minister may require that water shall not be used for other than domestic purposes.

*Water for Street Watering.*

296. It shall not be lawful for any person or corporation to use any water whatsoever for street watering purposes, unless with the written approval of the Minister first obtained.

*Gratuities Prohibited.*

297. Officers, workmen, or agents of the Minister shall not solicit or receive any fee or gratuity whatever.

*Junction or interference with Pipes, Sewers, or Fittings.*

298. No person shall make any connection or interfere with any pipe, sewer, or fitting of the Minister or with any water pipes, sewer, or drain communicating therewith, at any other place than shall be approved of by the Minister, and the main shall only be tapped by the workmen of the Minister.

*Obstruction of Pipes, Sewers, Drains, or Fittings.*

299:—

(1) Any person who, without the written consent of the Minister, erects or maintains any building or structure or causes any building or structure to be erected or maintained, or places or keeps any material or thing or causes any material or thing to be placed or kept over any pipe, sewer, drain or fitting which is the property of the Minister, and thereby—

(a) trespasses on or causes injuries to such pipe, sewer, drain, or fitting; or

(b) prevents or in any way impedes or obstructs the inspection, maintenance, cleansing, repair, management or use, of such pipe, sewer, drain, or fitting,

shall be guilty of an offence and be punishable on summary conviction by a penalty not exceeding twenty pounds, and in the case of a continuing breach of this By-law the offender shall be liable to a further penalty not exceeding five pounds for each day the offence continues after notice thereof has been given by or on behalf of the Minister to the offender.

(2) The Minister may cause any building, structure, material, or thing erected, placed, maintained, or kept over any such pipe, sewer, drain, or fitting in contravention of this By-law to be altered, pulled down, removed, or otherwise dealt with as he shall think fit.

(3) Any person committing any breach of this By-law shall, in addition to any penalty imposed on him, pay any expense incurred by the Minister in consequence of such breach.

(4) This By-law shall extend and apply to buildings, structures, materials, or things maintained or kept as aforesaid, whether they were erected or placed over the pipe, sewer, drain, or fitting before or after the passing of this By-law.

*Penalties.*

300. Any person committing a breach of any of the provisions of these By-laws, to which no specific penalty is attached, shall be liable on summary conviction to a penalty not exceeding £20 and in addition may be ordered to pay any expense incurred by the Minister in consequence of such breach.

In the case of a continuing breach the offender shall be liable in addition to the fine and payment of expenses to a daily penalty not exceeding £5 for each day the breach continues after notice thereof has been given by or on behalf of the Minister to the offender.

*Division (4)—Miscellaneous.**Notice of intention to Build.*

301. The owner or occupier of any land supplied with water who shall erect, or make, or cause to be erected or made any building or addition to an existing building on such land, shall, before the commencement of same, give notice in writing thereof to the Minister.

*Locking of Taps, etc.*

302. The occupier of any premises to which the water has been laid on, or, in the event of there being no occupier, the owner shall cause proper means to be taken, by locks or otherwise, subject to the approval of the Minister, to prevent the use of the water from the main by persons not connected with the said premises.

*Turning off when Repairing and Tapping.*

303. The Minister may from time to time, and without giving prior notice to the consumer or consumers affected, when necessary for the purpose of tapping or repairing the main, or otherwise, cut off the supply of water from any part or parts of the District.

*Reward—Reporting Leakage.*

304. The Minister may in his discretion adequately reward any person (not being the person in fault) who shall communicate timely information to the Minister of any leakages or waste of water, whether the same be accidentally, negligently, or wilfully occasioned or suffered, or who shall give such information as shall lead to the conviction of any person or persons who shall steal or cause to be stolen or improperly appropriated the water of the Minister.

*Authority to enter Premises.*

305. Any officer acting under the Minister's authority may at all reasonable times enter any house or premises connected, or intended to be connected with the water mains or sewers, in order to examine whether the water pipes, drains, and other fittings in such house or premises are in proper order. Any person refusing such admission or in any way hindering such Officer in the execution of his duty shall be guilty of an offence and liable to a penalty as prescribed in By-law 300.

*Standard Drawings for Fixtures and Fittings.*

306:—

(1) Approved standard drawings of fixtures and fittings will be exhibited at the Department's office.

(2) Due consideration shall be given by the Minister to the claims of any other fittings which may be presented for approval, and, if considered satisfactory, the same may be placed among and become one of the approved standard fittings.

(3) The Minister may, from time to time, amend, alter, or cancel any or all of the standard fittings or type drawings, and replace them by such other approved fittings or drawings.

*SCHEDULE A.**Nightman's License.*

This is to certify that the Minister for Water Supply, Sewerage, and Drainage has approved of the application of \_\_\_\_\_ for a License as a nightman for the \_\_\_\_\_ Catchment Area and hereby licenses the said \_\_\_\_\_ as a nightman for the said Area, from \_\_\_\_\_ to \_\_\_\_\_, subject to the By-laws of the Minister and to the provision of the Health Act, 1911-1919, and any amendments thereof.

Conditions upon which this license is granted:—All gates, doors, etc., shall be closed by nightman upon leaving, and the By-laws of the Minister shall be strictly adhered to.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_.

*SCHEDULE B.*

*Method of Computing the Sizes of Soil, Waste, Combined Waste, and Vent Pipes, in accordance with the requirements of By-laws 158, 159, and 160.*

*Fixtures.*

1. In accordance with By-law 158, classify the various fixtures and determine the maximum number of fixture units to be provided for in each portion of the system under consideration. Cleaners' sinks and floor wastes which are not regularly in use during the period of maximum use of other fixtures need not be included in determining the number of fixture units to be provided for.

*Sizes of Graded Soil, Waste, and Combined Waste Pipes.*

2. (a) By reference to By-law 159, determine, from the maximum number of fixture units served at the point under consideration, the required sizes and grades of the soil, waste, and combined waste pipes in each portion of the system.

(b) Compare the sizes so obtained with the minimum permissible sizes for the particular case and adopt the larger.

*Sizes of Vertical Soil, Waste, and Combined Waste Stacks.*

3. (a) By reference to By-law 159, determine, from the maximum number of fixture units served at the point under consideration, the required sizes of vertical soil, waste, and combined waste stacks.

(b) Ascertain whether the number of fixture units connected to the stack within any 8-ft. length is within the permissible limits of provision (f) of By-law 159—if not adopt such larger size stack as will comply with this requirement.

(c) Compare sizes so obtained with the minimum permissible sizes for the particular case and adopt the larger sizes, subject to provision (a) of By-law 159.

#### Size of Main Vents.

4. (a) Determine the approximate vertical length of the main vent in storeys from its connection at its lower end with a soil or waste pipe or drain to the ceiling level of the top floor.

(b) From the table of permissible sizes in By-law 160, determine, for the maximum number of fixture units served by the vent, the required size for a vent of such a length.

(c) Compare the sizes so determined with minimum permissible sizes and adopt the larger.

#### Sizes of Branch Vents.

5. (a) Determine the approximate vertical length in storeys of the main vent from the point of connection of the branch vent under consideration to the ceiling level of the top floor.

(b) Determine the horizontal length of the branch vent from its connection with the main vent to the furthestmost end of the portion under consideration.

(c) Allowing one storey for each 12 feet, or part of 12 feet, in horizontal length of branch vent, as determined by rule 5 (b) above, and this length in storeys to the length in storeys by rule 5 (a) above.

(d) Determine the number of fixture units served by the portion of branch vent under consideration.

(e) From the table of permissible sizes in By-law 160, determine the minimum size of vent required for the above number of fixture units and for the total length of vent in storeys as determined by rule 5 (c) above.

(f) Compare the sizes so determined with the minimum permissible sizes and adopt the larger, subject to the provision that no vent need be larger than the soil or waste pipe which it serves.

H. MILLINGTON,

Minister for Water Supply, Sewerage, and Drainage.

Approved by His Excellency the Lieutenant-Governor in Executive Council, this Seventeenth day of November, 1938.

L. E. SHAPCOTT,

Clerk of the Executive Council.

#### METROPOLITAN WATER SUPPLY, SEWERAGE AND DRAINAGE DEPARTMENT.

M.W.S. 667/40.

NOTICE is hereby given, in pursuance of section 96 of the Metropolitan Water Supply, Sewerage and Drainage Act, 1909, that water mains have been laid in the undermentioned streets in districts indicated.

#### Melville Road District.

354/44—Birdwood road, from Money road to lot 928—easterly.

#### Perth Road District.

479/44—Bellevue terrace, from lot 33 to lot 34—northerly.

358/44—Osborne street, from lot 3882 to Powell street—northerly. Powell street, from Osborne street, to Millet street—easterly. Millet street, from Powell street to lot 3892—southerly.

And the Minister for Water Supply, Sewerage and Drainage is, subject to the provisions of the said Act, prepared to supply water from such mains to lands within rateable distance thereof.

Dated this 26th day of January, 1945.

J. C. HUTCHINSON, Under Secretary.

#### THE WATER BOARDS ACT, AMENDMENT ACT, 1918.

#### Leonora Water Area.

P.W.W.S. 42/34.

IT is hereby notified, for general information, that His Excellency the Lieutenant-Governor in Executive Council has been pleased to approve under the provisions of the Water Boards Act, Amendment Act, 1918, of a rate of three shillings in the pound on the annual rateable value of the land rated being made and levied in the Leonora Water Area for the year ending the 31st December, 1945.

W. S. ANDREW, Under Secretary for Water Supply.

#### THE WATER BOARDS ACT, 1904-1942.

#### Bunbury Water Board.

WHEREAS by the Water Boards Act, 1904-1942, the Bunbury Water Board, in exercise and by virtue of the powers conferred by the said Act and of all other powers in that behalf vested in or exercisable by the said Board, makes the following amendment to the by-laws published in the *Government Gazette*, 25th October, 1907; 24th November, 1939; 25th October, 1940; and 9th July, 1943.

By-law 22 is hereby deleted and in lieu thereof the following is inserted:—

By-law 22: The prescribed quantity of water which the owner or occupier of any property rateable under the provisions of the said Act is entitled to consume in any one year on such rateable property, or on each rateable property held by him in case two or more rateable properties are held by the same person, in consideration of the rates paid, is that quantity of water which is one thousand gallons for every one pound of annual valuation of the rateable property on which the water is consumed.

Any excess water consumed in any one year over and above such prescribed quantity shall be charged for at the following rates:—First 20,000 gallons of such excess at the rate of 1s. 6d. per thousand gallons; all excess thereafter at the rate of 1s. 0d. per thousand gallons.

Provided that the annual water charges have been paid by the end of November in any year the following charges will then apply for any excess water consumed in that year:—First 20,000 gallons of such excess at the rate of 1s. 0d. per thousand gallons; all excess thereafter at the rate of 6d. per thousand gallons.

The above by-law was passed by the Bunbury Water Board at the meeting held on 24th February, 1944.

PERCY C. PAYNE, Chairman.

JOHN R. KNOTT, Secretary.

Recommended—

E. H. GRAY, Minister for Water Supply.

Approved by His Excellency the Lieutenant-Governor in Executive Council, this 11th day of January, 1945.

R. H. DOIG, Acting Clerk of the Council.

## QUAIRADING VERMIN BOARD.

## Notice.

ALL owners and occupiers in the Quairading Vermin District are hereby notified that as the Board proposes vigorously to enforce sections 94-96-98 of the Vermin Act, No. 2 of 1919, notice is hereby given that all persons must commence on the 26th January, 1945, and continue to destroy all vermin (particularly rabbits) on their holdings.

By order of the Board.

J. R. T. KEAST, Secretary.

## DALWALLINU VERMIN BOARD.

NOTICE is hereby given, by virtue of section 96 of the Vermin Act, 1918-1942, that all owners and/or occupier of holdings within the Dalwallinu Vermin District must commence the work of suppressing and destroying rabbits on such holdings and on the roads abounding or intersecting same as from the 10th day of February 1945, and continue systematically to carry out such work until the 10th day of April, 1945. Means to be adopted—The laying of effective poison bait trails, poisoned water, fumigating or other means approved by the Board.

J. SYME, Acting Secretary

## WESTERN AUSTRALIAN GOVERNMENT TENDER BOARD.

## Accepted Tenders.

Tender Board No.	Date.	Contractor.	Schedule No.	Particulars.	Department concerned.	Rate.
682/44	1945. Jan. 19	Harry Armstrong ...	249A, 1944	Purchase and removal of Second-hand Firearms and Ammunition, as follows:— Item 1—Rifle, .303 ... Item 2—Rifle, .22 ... Item 4—Rifle, .22 sawnoff ... Item 5—Shotgun, D.B. ... Item 6—Revolver, .22 ... Item 7—Cartridges, 80 rds. ... Item 3—Rifle Long, .22 ...	Crown Law	for 5s. for £4. for 5s. for £2. for £1. for 10s. for £2 2s.
679/44	Jan. 22	F. A. Byfield Various ...	115	Furniture, Bedsteads, Bedding, and Blinds, for Government Departments, for 6 months from this date	Various ...	Rates on application.
601/44	Jan. 24	Rosenstamm Pty. Ltd.	214A, 1944	Approx. 76 pairs Leather Leggings, as per Item 5	Railways ...	11s. 6d. per pr.
„	do.	Hugo Fischer (1940), Ltd.	„	Approx. 142 pairs Leather Leggings, as per Item 6	do. ...	15s. 10d. per pr.

## Tenders for Government Supplies.

Date of Advertising.	Schedule No.	Supplies required.	Date of Closing.
1944. Dec. 21 ...	248A, 1944 ...	Pressure Steam Sterilisers, 6 only, for Perth Hospital ...	1945. Feb. 1
1945. Jan. 11 ...	4A, 1945 ...	Tuyere Stocks and Spare Blow Pipes, 4 only each (Re-called) ...	Feb. 1
Jan. 11 ...	5A, 1945 ...	Fabrication and Erection of Pump and Stove House at Wundowie ...	Feb. 1
Jan. 18 ...	9A, 1945 ...	Hot Air Pipes and Fittings for Blast Furnace, Wundowie ...	Feb. 8
Jan. 18 ...	10A, 1945 ...	Fabrication and Erection of Roof for Blast Furnace, Wundowie ...	Feb. 8
Jan. 18 ...	11A, 1945 ...	13 in. Combined Throttle and Snort Valve, complete with all Operating Gear	Feb. 8
Jan. 18 ...	12A, 1945 ...	Headframe Pulley Assembly complete, delivered F.O.R. Perth ...	Feb. 8
Jan. 25 ...	15A, 1945 : 16A, 1945	Making and Trimming of Uniforms for the Railways and Tramways—Winter 1945, Summer 1945-46 ...	Feb. 8
Jan. 25 ...	14A, 1945 ...	M.S. Cooling Water Headers, Galvanised M.S. Pipe Services for Circle and Sprayer Mains, G.M. Ball Unions and G.M. Bends ...	Feb. 8
Jan. 18 ...	8A, 1945 ...	Electric Lamps for Government Departments, etc., during 1945-46 ...	Feb. 15
1944. Oct. 30 ...	208A, 1944 ...	Boiler House Equipment for New Power House at South Fremantle ...	Mar. 1
Oct. 30 ...	209A, 1944 ...	Turbo-Alternators, 25,000 K.W., C.M.R., 2 only, and Condensing Plant	Mar. 1
Oct. 30 ...	210A, 1944 ...	Frequency Changer, 25,000 K.W., 1 only, for East Perth Power Station	Mar. 1
1945. Jan. 16 ...	6A, 1945 ...	Copper Plates, 20 only, for Railways Department ...	Mar. 8
Jan. 25 ...	13A, 1945 ...	Body Boards, 70 only, and Preparation Boards, 18 only (Undertakers' Supplies), ex A.R.P. Depots, as they now lie at Government Stores Surplus Stores, Wittenoom street, East Perth, where inspection can be made ...	Feb. 8

## For Sale by Tender.

Tenders addressed to the Chairman, Tender Board, Perth, will be received for the above-mentioned until 2.15 p.m. on the date of closing.

Tenders must be properly indorsed on envelopes, otherwise they are liable to rejection.

Tender forms and full particulars may be obtained on application at the Tender Board Office, Murray street, Perth.

No tender necessarily accepted.

Dated the 25th January, 1945.

G. L. NEEDHAM, Chairman W.A. Government Tender Board.

# MINISTERS REGISTERED FOR CELEBRATION OF MARRIAGES THROUGHOUT THE STATE OF WESTERN AUSTRALIA.

R.G. 1945/1.

IT is hereby published, for general information, in accordance with section 24 of 58 Vict. No. 16, that the undermentioned Ministers of Religion are on this date duly registered in this Office for the celebration of Marriages throughout the State of Western Australia.

Registrar General's Office,  
Perth, 24th January, 1945.

R. J. LITTLE,  
Acting Registrar General.

## CHURCH OF ENGLAND.

(Diocese of Perth).

No., Denomination and Name, Residence, Registry District.

- 1—The Most Rev. Henry Frewen LeFanu, D.D., Archbishop of Perth; Bishop's House, Mounts Bay Road, Perth; Perth.
- 2—The Very Rev. Robert Henry Moore, M.A., Dean of Perth; The Deanery, St. George's terrace, Perth; Perth.
- 3—The Venerable Lionel Walpole Parry, M.A., Archdeacon of Perth; 731 Beaufort street, Mt. Lawley; Perth.
- 4—The Venerable Christopher Evelyn Storrs, M.A., Archdeacon of Northam, (Chaplain A.M.F.), W.53978; 110 (P) M.H., Hollywood; Perth.
- 5—The Rev. Canon Edward Mallen Collick, A.K.C.; The Rectory, Queen street, Fremantle; Fremantle.
- 6—The Rev. Canon Robert Evelyn Freeth, M.A.; Guildford Grammar School, Guildford; Swan.
- 7—The Rev. Canon William Edward Jones, M.A.; The Rectory, Emerald terrace, West Perth; Perth.
- 8—The Rev. Canon Charles Wetherby Ker, M.A.; St. Alban's Rectory, Lincoln street, Highgate Hill; Perth.
- 9—The Rev. Canon Charles Bernard Law, M.A.; "Glynlee," Adelaide terrace, Perth; Perth.
- 10—The Rev. Canon Douglas Keith McConchie, (Chaplain A.I.F.), WX 1530; 803 Beaufort street, Inglewood; Perth.
- 11—The Rev. Canon William Patrick; St. Hilda's Rectory, Glebe street, North Perth; Perth.
- 12—The Rev. Edmund Hyde Arblaster, B.A., Th.L.; Y.M.C.A., Murray street, Perth; Perth.
- 13—The Rev. Geoffrey Arblaster, Th.L.; Kalamunda; Canning.
- 14—The Rev. Reginald Thomas Arrantash; Wyalkatchem; Northam.
- 15—The Rev. Warwick Shaw Bastian, Th.L.; Kununoppin; Northam.
- 16—The Rev. Alexander Wesley Bateman, Th.L.; The Rectory, Morawa; Irwin.
- 17—The Rev. Alec Berry; The Rectory, Armadale; Canning.
- 18—The Rev. Alexander Francis John Blain, B.A. (Chaplain R.A.N.); Preston Point, Fremantle; Fremantle.
- 19—The Rev. Jack Grattan Booty; 49 Beatrice street, Claremont; Perth.
- 20—The Rev. Leonard Bothamley, L.Th.; The Rectory, Northam; Northam.
- 21—The Rev. Thomas Ernest Brewis; The Rectory, York; York.
- 22—The Rev. James Lynwood Brown; c/o Northam Boys' Hostel, Inkpen street, Northam; Northam.
- 23—The Rev. Frederick Robert Burt (Chaplain A.I.F.), WX 1557; 118 A.G.H., Northam; Northam.
- 24—The Rev. Ivan Alexander Cardell-Oliver; Guildford Grammar School, Guildford; Swan.
- 25—The Rev. John Henry Allan Chauvel, M.A.; St. Paul's Rectory, 59 Carr street, West Perth; Perth.
- 26—The Rev. Walter Bowen Churchill; The Rectory, Beverley; Beverley.
- 27—The Rev. Ernest Appleby Codd; The Rectory, 257 Barker road, Subiaco; Perth.
- 28—The Rev. Gerald Stanley Coxon, Th.L.; The Rectory, Three Springs; Irwin.
- 29—The Rev. Joseph Craven (Chaplain A.M.F.), W 138; Karrakatta Military Camp, Karrakatta; Perth.
- 30—The Rev. Thomas Eric Currie, Th.L.; St. Mark's Rectory, Bassendean; Swan.
- 31—The Rev. Albert William Curtis, B.A., Th.L.; The Rectory, Alexander road, East Fremantle; Fremantle.
- 32—The Rev. George James William Dann; Missions to Seamen, 29 View terrace, East Fremantle; Fremantle.
- 33—The Rev. Dalis James Davies, B.A.; The Rectory, Guildford; Swan.
- 34—The Rev. Francis Charles Dixon, Th.Schol.; Missions to Seamen, 29 View terrace, East Fremantle; Fremantle.
- 35—The Rev. William Kennard Elphick, Th.L.; The Rectory, Northwood street, Leederville; Perth.

## CHURCH OF ENGLAND—continued.

(Diocese of Perth)—continued.

No., Denomination and Name, Residence, Registry District.

- 36—The Rev. John Lawrence Ford; The Rectory, Toodyay; Northam.
- 37—The Rev. James Henry Frary; Parkerville; Swan.
- 38—The Rev. Maitland Harrison Gardner, Th.L.; 214 Hampton road, Beaconsfield; Fremantle.
- 39—The Rev. Frederick William Guest; The Rectory, Mundaring; Swan.
- 40—The Rev. Frederick William Gunning, Th.L.; The Rectory, Flinders street, Mt. Hawthorn; Perth.
- 41—The Rev. Richard West Hamilton, M.A., B.Sc.; The Rectory, Middle Swan; Swan.
- 42—The Rev. William Charles Harfield (Chaplain A.I.F.), WX 11026; Melville Military Camp, Melville; Fremantle.
- 43—The Rev. John Stanley Hawkins, M.A.; St. Mary's Rectory, South Perth; Perth.
- 44—The Rev. Ralph Gordon Hawkins, B.A., L.Th.; The Rectory, 37 Simper street, Wembley; Perth.
- 45—The Rev. Percy Umfreville Henn, M.A.; 20 Karoo street, South Perth; Perth.
- 46—The Rev. Wilfred Elliott Henn, M.A.; The Rectory, 60 Napier street, East Claremont; Perth.
- 47—The Rev. Ronald Joseph Hobby; The Rectory, Bruce Rock; Bruce Rock.
- 48—The Rev. George Richard Holland; 35 Irvine street, Cottesloe; Perth.
- 49—The Rev. George Frederick Humphry; 35 Ridge street, South Perth; Perth.
- 50—The Rev. Thomas Ockerby Hurst, B.A.; 7 Carson street, Victoria Park; Perth.
- 51—The Rev. Ernest Godfrey Jaquet, M.A.; The Rectory, Tyrell street, Nedlands; Perth.
- 52—The Rev. George Victor Johnson; The Rectory, Merredin; Northam.
- 53—The Rev. Laurence Richard David Barry Jupp; Christ Church Grammar School, Claremont; Perth.
- 54—The Rev. William Ernest Kirkness, Th.L.; Canning highway, East Fremantle; Fremantle.
- 55—The Rev. Philip Sydney Lawrence, M.A., Th.L.; The Rectory, 40 Napier street, Cottesloe; Perth.
- 56—The Rev. Samuel Thomas Lindsey, Th.L.; The Rectory, Maylands; Perth.
- 57—The Rev. Thomas Brian Macdonald; The Rectory, Queenslea drive, Claremont; Perth.
- 58—The Rev. Fred Maling, Th.L.; The Rectory, Wongan Hills; Moora.
- 59—The Rev. Sidney Alexander Milward; 17 Viewway, Nedlands; Perth.
- 60—The Rev. Fred Molyneux, B.A.; The Rectory, Moora; Moora.
- 61—The Rev. Percival John Nicholls; Davis crescent, Gooseberry Hill; Swan.
- 62—The Rev. William John Northern, Th.L.; 14 Jimbell street, Mosman Park; Perth.
- 63—The Rev. Clarence William Norwood, A.K.C., B.D.; The Rectory, 1 Willis street, Mosman Park; Perth.
- 64—The Rev. Frederick George O'Halloran; The Rectory, 7 Murray street, Bayswater; Perth.
- 65—The Rev. James Paice, M.A., B.A.; The Rectory, Leonard street, Victoria Park; Perth.
- 66—The Rev. Wilfred George Patrick Douglas Painter, A.K.C., B.D., L.L.D.; Spring Park road, Midland Junction; Swan.
- 67—The Rev. Norman Catchlove Paynter (Chaplain R.A.N.), Preston Point, East Fremantle; Fremantle.
- 68—The Rev. Thomas Henry Purdy; Marine terrace, Rockingham; Jarradale.
- 69—The Rev. Robert George Pym; The Rectory, Kellerberrin; Northam.
- 70—The Rev. Lennard Sydney Quinlin, Th.L.; c/o Mrs. Edmonson, Darlington; Swan.
- 71—The Rev. Arthur Royal Quirk, Th.L.; St. John's Rectory, Queen street, Fremantle; Fremantle.
- 72—The Rev. Stanley John Spratling (Chaplain A.I.F.), WX 3372; A/A Group, H.Q. Fremantle Fortress, Fremantle; Fremantle.

CHURCH OF ENGLAND—*continued.*(Diocese of Perth)—*continued.*

- No., Denomination and Name, Residence, Registry District.
- 73—The Rev. James Eakins Stannage; 8 Chester street, Subiaco; Perth.
- 74—The Rev. Erskine Cuthbert Sweetman, B.D., Th.L. (Chaplain R.A.A.F.); Pearce, R.A.A.F. Station, Bullsbrook; Swan.
- 75—The Rev. Thomas Henry Timpson (Chaplain R.A.A.F.); 59 Lawley crescent, Mt. Lawley; Perth.
- 76—The Rev. Frederick Elmore Watts, M.A., B.D.; Missions to Seamen, 29 View terrace, East Fremantle; Fremantle.
- 77—The Rev. Jack Cecil Arthur Watts; The Rectory, 41 Star street, Carlisle; Perth.
- 78—The Rev. Arthur Doran Webb; 7 John street, Claremont; Perth.
- 79—The Rev. Thomas Whitehead; 100 Rupert street, Subiaco; Perth.
- 80—The Rev. Robert Ellis Greenleaf Williams, B.A.; The Rectory, Queen's Park; Canning.

## CHURCH OF ENGLAND.

(Diocese of Bunbury.)

- 81—The Right Rev. Leslie Albert Knight, M.A., Bishop of Bunbury; "Bishop's Court," Cross street, Bunbury; Wellington.
- 82—The Venerable Archdeacon Henry Joseph Adams, M.A.; The Rectory, Princep street, Bunbury; Wellington.
- 83—The Venerable Archdeacon William Burbidge, M.A.; Constitution street, South Bunbury; Wellington.
- 84—The Venerable Archdeacon Evelyn Herbert Strugnell, M.A.; The Rectory, Wagin; Katanning.
- 85—The Rev. Canon Ernest James Treweek Atwell; The Rectory, Pingelly; Beverley.
- 86—The Rev. Canon William Rothwell Burns, M.A.; Pinjarra; Murray.
- 87—The Rev. Canon Arthur Charles Henry Lerpiniere A.K.C.; The Rectory, Narrogin; Williams.
- 88—The Rev. Frederick James Boxall; The Rectory, Boyanup; Wellington.
- 89—The Rev. John Joseph Maurice Bromilow, Th.L.; The Rectory, Donnybrook; Wellington.
- 90—The Rev. Albert Samuel Cracknell, Th.L.; The Rectory, Collie; Wellington.
- 91—The Rev. Robert Ernest Davies; The Rectory, Busselton; Sussex.
- 92—The Rev. Thomas Robert Fleming, Th.L.; The Rectory, Denmark; Plantagenet.
- 93—The Rev. Arnold Fryer; The Rectory, South Bunbury; Wellington.
- 94—The Rev. William George Murliss Heerdegen; Wollaston street, Bunbury; Wellington.
- 95—The Rev. Alan McGuire Jenkins, Th.Sch.; The Rectory, Manjimup; Blackwood.
- 96—The Rev. Walter Bradley Kirby, Th.L.; The Rectory, Albany; Plantagenet.
- 97—The Rev. Harold Chilton Lawson, Th.L.; The Rectory, Greenbushes; Blackwood.
- 98—The Rev. James Paisley; The Rectory, Harvey; Wellington.
- 99—The Rev. Thomas Robert William Pelham Thorman; The Rectory, Katanning; Katanning.
- 100—The Rev. Frank Aubrey William Pettingell, B.A.; The Rectory, Margaret River; Sussex.
- 101—The Rev. Bertram Leonard Somner; The Rectory, Kojonup; Katanning.
- 102—The Rev. Raymond Elliston Walker; The Rectory, Williams; Williams.

## CHURCH OF ENGLAND.

(Diocese of Kalgoorlie.)

- 103—The Right Rev. William Edward Elsey, M.A., D.D., Bishop of Kalgoorlie, 41 Ward street, Kalgoorlie; East Coolgardie.
- 104—The Rev. Walter Reginald Forbes; The Rectory, Boulder; Boulder.
- 105—The Rev. Edward Albert Grey; St. Andrew's Rectory, Coolgardie; East Coolgardie.
- 106—The Rev. Peter Charles Hawker; The Rectory, Dugan street, Kalgoorlie; East Coolgardie.
- 107—The Rev. Charles Augustus Walsh, B.A.; The Rectory, Dugan street, Kalgoorlie; East Coolgardie.
- 108—The Rev. Tom Wright; Norseman; Dundas.

## CHURCH OF ENGLAND.

(Diocese of North-West Australia.)

- No., Denomination and Name, Residence, Registry District
- 109—The Right Rev. John Frewer, Bishop of the Diocese of North-West Australia; Geraldton; Geraldton.
- 110—The Venerable Archdeacon Henry Wood Simpson, M.A.; Roebourne; Roebourne.
- 111—The Rev. Sydney Harold John Best, Th.L.; Forrest River Mission; East Kimberley.
- 112—The Rev. Frederick George Bush (Chaplain R.A.A.F.) No. 4 S.F.T.S., Geraldton; Geraldton.
- 113—The Rev. Kenneth Beverley Halley, M.A.; Geraldton Geraldton.
- 114—The Rev. William Alexander Kerr; Mullewa; Geraldton.
- 115—The Rev. Ronald West Laurie; Greenough; Greenough.
- 116—The Rev. Reginald Charles Moore, M.A.; The Rectory Bluff Point; Geraldton.
- 117—The Rev. James Morris Thomas; The Rectory, Wiluna East Murchison.

## ROMAN CATHOLIC.

(Archdiocese of Perth.)

- 118—The Most Rev. Redmond Prendiville, D.D., B.A. Archbishop of Perth; St. Mary's Cathedral, Victoria Square, Perth; Perth.
- 119—The Right Rev. Monsignor Bernard Fagan; The Presbytery, Salvado road, Subiaco; Perth.
- 120—The Right Rev. Monsignor Peter Hayes, V.F.; Bunbury; Wellington.
- 121—The Right Rev. Monsignor John Francis Moloney; The Presbytery, 40 Franklin street, Leederville; Perth.
- 122—The Rev. Thomas Ahern; Hehir street, Belmont Perth.
- 123—The Rev. James Edward Bourke; 2 McNeil street Cottesloe; Perth.
- 124—The Rev. James Boylan; Kondinin; Bruce Rock.
- 125—The Rev. Harry Francis Brennan; Catholic Presbytery, 50 Vincent street, Mt. Lawley; Perth.
- 126—The Rev. John Patrick Brennan, B.A.; Cape street Osborne Park; Perth.
- 127—The Rev. Martin Brennan; St. Mary's Presbytery Porter street, Kalgoorlie; East Coolgardie.
- 128—The Rev. Daniel Breslin, O.M.I.; St. Patrick's Presbytery, Adelaide street, Fremantle; Fremantle.
- 129—The Rev. Patrick Briody; "Mon Repos" Convalescent Home, Mosman Park; Perth.
- 130—The Rev. John Brosnan; Catholic Presbytery, Collie Wellington.
- 131—The Rev. Frederick Byrne; Katanning; Katanning.
- 132—The Rev. William Browne; St. Charles' Seminary Guildford; Swan.
- 133—The Rev. Patrick Joseph Carmody; 43 Moran street Boulder; Boulder.
- 134—The Rev. Eugene Carolan; St. Mary's Presbytery Kalgoorlie; East Coolgardie.
- 135—The Rev. Cornelius Casey; The Presbytery, Wagin Katanning.
- 136—The Rev. William John Clery; Pinjarra; Murray.
- 137—The Rev. Edward James Collins, D.Ph.; 84 Keightley road, Shenton Park; Perth.
- 138—The Rev. Michael Collins, C.S.S.R.; The Monastery Vincent street, North Perth; Perth.
- 139—The Rev. Thomas Joseph Conway, O.M.I., B.A.; The Presbytery, Adelaide street, Fremantle; Fremantle.
- 140—The Rev. William Costelloe; The Presbytery, 12 Shepparton road, Victoria Park; Perth.
- 141—The Rev. Patrick Cryan; Catholic Presbytery, Norseman; Dundas.
- 142—The Rev. Michael John Delahunty; The Presbytery 40 Franklin street, Leederville; Perth.
- 143—The Rev. Joseph Depiazzi; The Presbytery, Salvado road, Subiaco; Perth.
- 144—The Rev. Philip Joseph Donnelly; St. Mary's Cathedral Victoria Square, Perth; Perth.
- 145—The Rev. Thomas Doody, C.S.S.R.; The Monastery Vincent street, North Perth; Perth.
- 146—The Rev. Daniel Downey; Donnybrook; Wellington.
- 147—The Rev. Jeremiah Doyle; Catholic Presbytery Queens Park; Canning.
- 148—The Rev. Francis Duffy, C.S.S.R.; The Monastery Vincent street, North Perth; Perth.
- 149—The Rev. Patrick Joseph Duffy; Manjimup; Blackwood.
- 150—The Rev. James Dunne, B.A.; The Presbytery, 12 Guildford road, Maylands; Perth.
- 151—The Rev. John Fahey, D.S.O.; 2 McNeil street, Cottesloe; Perth.
- 152—The Rev. James Philip Francis Fanning; Aquina College, Mt. Henry; Canning.

ROMAN CATHOLIC—*continued.*(Archdiocese of Perth)—*continued.*

- No., Denomination and Name, Residence, Registry District.
- 153—The Rev. Philip Farrelly; Catholic Presbytery, Busselton; Sussex.
- 154—The Rev. William Augustine Fergusson, C.S.S.R.; Redemptorist Monastery, Vincent street, North Perth; Perth.
- 155—The Rev. James Kevin Galway (Chaplain A.I.F.) VX 145823; Military Camp, Melville; Fremantle.
- 156—The Rev. Maurice Alphonsus Giles, D.Ph.; Beverley; Beverley.
- 157—The Rev. Thomas Gilroy, V.F.; The Presbytery, Aberdeen street, Albany; Plantagenet.
- 158—The Rev. Launcelot John Goody, D.D., D.Ph.; St. Charles Seminary, Guildford; Swan.
- 159—The Rev. Thomas Haugh, O.M.I., B.A.; The Presbytery, Adelaide street, Fremantle; Fremantle.
- 160—The Rev. Stephen Hawe; The Presbytery, Hammad street, Palmyra; Fremantle.
- 161—The Rev. John Hogan; Catholic Presbytery, Bunbury; Wellington.
- 162—The Rev. Michael Holohan; South avenue, Merredin; Northam.
- 163—The Rev. Gerald Joyce, C.S.S.R.; Redemptorist Monastery, Vincent street, North Perth; Perth.
- 164—The Rev. William Joyce, C.S.S.R.; Redemptorist Monastery, Vincent street, North Perth; Perth.
- 165—The Rev. Humphrey Kearin; The Presbytery, Shepparton road, Victoria Park; Perth.
- 166—The Rev. Francis Leo Kearnan, D.D.; James street, Guildford; Swan.
- 167—The Rev. Patrick Kelliher; The Presbytery, Aberdeen street, West Perth; Perth.
- 168—The Rev. Austin Kelly, M.A., S.J.; St. Louis School, Stirling highway, Claremont; Perth.
- 169—The Rev. Edmond Kennedy, D.D.; St. Mary's Cathedral, Victoria Square, Perth; Perth.
- 170—The Rev. Harold Lalor; St. Mary's Cathedral, Victoria Square, Perth; Perth.
- 171—The Rev. John Francis Leech; Catholic Presbytery, Bunbury; Wellington.
- 172—The Rev. Thomas Lenihan; Catholic Presbytery, Gordon Street, Northam; Northam.
- 173—The Rev. Thomas Joseph Linnane; Cunderdin; Northam.
- 174—The Rev. Albert Lynch; St. Mary's Cathedral, Victoria Square, Perth; Perth.
- 175—The Rev. John Lynch, B.A.; 24 Dudley street, Midland Junction; Swan.
- 176—The Rev. James Lyne, B.A.; Convent of Good Shepherd, Leederville; Perth.
- 177—The Rev. John Lyons, C.S.S.R.; The Monastery, Vincent street, North Perth; Perth.
- 178—The Rev. Edward Moss; The Presbytery, 46 Thomas Street, Nedlands; Perth.
- 179—The Rev. John Murphy, B.A., L.Ph.; The Presbytery, 46 Thomas street, Nedlands; Perth.
- 180—The Rev. Patrick Murray; Toodyay; Northam.
- 181—The Rev. Michael Joseph McArdle, S.T.L.; The Presbytery, Loochee street, Mosman Park; Perth.
- 182—The Rev. Edward McBride; St. Charles' Seminary, Guildford; Swan.
- 183—The Rev. James Michael McCarthy (Chaplain R.A.A.F.); The Presbytery, Porter street, Kalgoorlie; East Coolgardie.
- 184—The Rev. Michael Thomas McCaul (Chaplain R.A.A.F.); 16 Normanby street, Inglewood; Perth.
- 185—The Rev. Joseph McCormack; Catholic Presbytery, 1 Langsford street, Claremont; Perth.
- 186—The Rev. John Patrick McGillicuddy; St. Mary's Cathedral, Victoria Square, Perth; Perth.
- 187—The Rev. John Thomas McMahon, M.A.; The Presbytery, Forrest street, South Perth; Perth.
- 188—The Rev. Edmund McQuinn, O.M.I.; St. Patrick's Presbytery, Adelaide street, Fremantle; Fremantle.
- 189—The Rev. Cornelius Nolan; The Presbytery, 46 Thomas street, Nedlands; Perth.
- 190—The Rev. John Nolan; St. Joseph's Presbytery, Gordon street, Northam; Northam.
- 191—The Rev. Gerald Patrick O'Callaghan; The Presbytery, King street, East Fremantle; Fremantle.
- 192—The Rev. Francis Joseph O'Connor; The Presbytery, Camberwell street, East Victoria Park; Perth.
- 193—The Rev. John Joseph O'Dwyer; Catholic Presbytery, 126 Guildford road, Maylands; Perth.
- 194—The Rev. Jeremiah Patrick O'Farrell; St. Mary's Cathedral, Victoria Square, Perth; Perth.
- 195—The Rev. James O'Grady; Dardanup; Wellington.
- 196—The Rev. Thomas Michael O'Kane; The Presbytery, Salvado road, Subiaco; Perth.

ROMAN CATHOLIC—*continued.*(Archdiocese of Perth)—*continued.*

- No., Denomination and Name, Residence, Registry District.
- 197—The Rev. George Joseph O'Leary; Catholic Presbytery, South Perth; Perth.
- 198—The Rev. John Joseph O'Mahony; Catholic Presbytery, Langton road, Mt. Barker; Plantagenet.
- 199—The Rev. John Vincent O'Sullivan; Catholic Presbytery, Lesmurdie; Canning.
- 200—The Rev. Peter O'Sullivan; 50 Vincent street, Highgate Hill; Perth.
- 201—The Rev. Don Raphael Lawrence Pace, D.D.; St. John of God Hospital, Subiaco; Perth.
- 202—The Rev. Thomas Christopher Perrott, S.J.; St. Louis School, Stirling highway, Claremont; Perth.
- 203—The Rev. Michael Joseph Philbin; Catholic Presbytery, Kellerberrin; Northam.
- 204—The Rev. Edward Joseph Power; Harvey; Wellington.
- 205—The Rev. Thomas Joseph Prendiville; The Presbytery, Main street, Osborne Park; Perth.
- 206—The Rev. Thomas William Purcell, O.M.I.; St. Patrick's Presbytery, Adelaide street, Fremantle; Fremantle.
- 207—The Rev. John Joseph Rafferty; St. Mary's Cathedral, Victoria Square, Perth; Perth.
- 208—The Rev. Francis Regan; York; York.
- 209—The Rev. Michael Reidy; Aberdeen street, West Perth; Perth.
- 210—The Rev. John Laurence Russell; Narrogin; Williams.
- 211—The Rev. Francis Tully Ryan; The Presbytery, Mary's Mount, Kalamunda; Canning.
- 212—The Rev. John Ryan, O.M.I.; The Presbytery, Adelaide street, Fremantle; Fremantle.
- 213—The Rev. John Sexton, C.S.S.R.; Redemptorist Monastery, Vincent street, North Perth; Perth.
- 214—The Rev. Philip Shannon; The Presbytery, 1 Langsford street, Claremont; Perth.
- 215—The Rev. Charles Kevin Slowey; St. Charles Seminary, Guildford; Swan.
- 216—The Rev. Philip Claver Smith, S.T.L.; Hammad street, Palmyra; Fremantle.
- 217—The Rev. Cyril Charles Stinson (Chaplain A.I.F.), WX37180; Broome; Broome.
- 218—The Rev. Edmund Sullivan; "Glendalough," Leederville; Perth.
- 219—The Rev. Michael Hilary Timbs, C.S.S.R.; Redemptorist Monastery, Vincent street, North Perth; Perth.
- 220—The Rev. Andrew Weston Valentine; The Presbytery, Bridgetown; Blackwood.
- 221—The Rev. John Wallace, B.Sc.; 50 Vincent street, Highgate Hill; Perth.
- 222—The Rev. Patrick Joseph Woods, B.A.; 38 Kitchen avenue, Bayswater; Perth.

## ROMAN CATHOLIC.

(Abbey "Nullius" of New Norcia.)

- 223—The Right Rev. Anselm Catalan, D.D., O.S.B.; New Norcia; Moora.
- 224—The Very Rev. Wilfred Saenz, O.S.B.; New Norcia; Moora.
- 225—The Rev. Felix Ayguabella, O.S.B.; Wyening; Northam.
- 226—The Rev. Benedict Barranco, O.S.B.; Trayning; Northam.
- 227—The Rev. James Cameron; Wyalkatchem; Northam.
- 228—The Rev. Joseph Chauvell; The Monastery, New Norcia; Moora.
- 229—The Rev. Fulgentius Cubero, O.S.B.; Drysdale River; East Kimberley.
- 230—The Rev. Bernard Escribano, O.S.B.; The Monastery, New Norcia; Moora.
- 231—The Rev. Ildephonsus Garcia, O.S.B.; Southern Cross; Yilgarn.
- 232—The Rev. William Gimenez, O.S.B.; New Norcia; Moora.
- 233—The Rev. Gregory Gomez, O.S.B.; New Norcia; Moora.
- 234—The Rev. Theodore Hernandez, O.S.B.; Benedictine Community, New Norcia; Moora.
- 235—The Rev. Reginald Hynes; Moora; Moora.
- 236—The Rev. Edward O'Halloran (Chaplain A.I.F.), WX3445; 5th Aust. Base Workshops, Nungarin; Northam.
- 237—The Rev. Emilianus Planas, O.S.B.; Southern Cross; Yilgarn.
- 238—The Rev. Philip Ros, O.S.B.; Pithara; Moora.
- 239—The Rev. Isidore Ruiz, O.S.B.; New Norcia; Moora.
- 240—The Rev. Placid Sesma, O.S.B.; Goomalling; Northam.
- 241—The Rev. Rudesindus Sosa, O.S.B.; Drysdale River; East Kimberley.



ROMAN CATHOLIC—*continued.*

(Vicariate of Kimberley.)

- No., Denomination and Name, Residence, Registry District.  
 242—The Right Rev. Otto Raible; Broome; Broome.  
 243—The Rev. Alphons Bleischwitz; Halls Creek; Kimberley Goldfields.  
 244—The Rev. Francis Huegel; Beagle Bay; Broome.  
 245—The Rev. Benedict Pusken; Lombadina; Broome.

## ROMAN CATHOLIC.

(Diocese of Geraldton.)

- 246—The Most Rev. Alfred Joseph Gummer, D.D.; Geraldton; Geraldton.  
 247—The Right Rev. Monsignor James Irwin, V.G.; Northampton; Northampton.  
 248—The Very Rev. Brian Gallagher, Ph.D., B.D.; Three Springs; Irwin.  
 249—The Very Rev. Michael Lynch, S.T.L.; Leonora; Mt. Margaret.  
 250—The Very Rev. Owen O'Connor; Geraldton; Geraldton.  
 251—The Rev. John Joseph Brennan; Cue; Murchison.  
 252—The Rev. Edward Bryan, B.D.; Marble Bar; Pilbara.  
 253—The Rev. Kevin Byrne, S.T.L.; Mullewa; Geraldton.  
 254—The Rev. Bede Leontius Lazaro, O.S.B.; Meekatharra; Murchison.  
 255—The Rev. Michael Moffatt; Cathedral avenue, Geraldton; Geraldton.  
 256—The Rev. John McKay; Carnarvon; Gascoyne.  
 257—The Rev. Thomas Naughton; Geraldton; Geraldton.  
 258—The Rev. Michael O'Flaherty; St. Francis Xavier's Cathedral, Geraldton; Geraldton.  
 259—The Rev. Anthony Omasmair; St. Joseph's Farm School, Tardun; Geraldton.  
 260—The Rev. Albert Scherzinger, P.S.M.; St. Joseph's Farm School, Tardun; Geraldton.  
 261—The Rev. George Emmett Sharry; Wiluna; East Murchison.  
 262—The Rev. Keith Francis Spain, S.T.L.; Mt. Magnet; Murchison.  
 263—The Rev. Anthony Wellems, P.S.M.; Morawa; Irwin.

## THE METHODIST CHURCH OF AUSTRALASIA.

- 264—Missioner Leonard Atkinson; Methodist Manse, Norseman; Dundas.  
 265—The Rev. Arthur Johnstone Barclay; Traylen road, Kalamunda; Canning.  
 266—The Rev. Ernest George Bensley; Methodist Manse, Kellerberrin; Northam.  
 267—The Rev. Frank Blackwell; Pinjarra; Murray.  
 268—The Rev. Robert Boulter; Cue; Murchison.  
 269—The Rev. Thomas Henry William Brayn; Methodist Manse, Gnowangerup; Katanning.  
 270—The Rev. Leonard Broadbent; Meckering; Northam.  
 271—Missioner William John Burton; Wesley Manse, Moora; Moora.  
 272—The Rev. Claude Elijah Butler; 133 Angelo street, South Perth; Perth.  
 273—The Rev. Alfred Charles Canning; 26 Waylen street, Guildford; Swan.  
 274—The Rev. Frederick Sophius Pell Christianson; 23 Sasse avenue, Mt. Hawthorn; Perth.  
 275—The Rev. Percy Clark; 31 Bruce street, Nedlands; Perth.  
 276—Missioner Edward J. Clugston; Methodist Manse, Corrigin; Bruce Rock.  
 277—The Rev. Thomas Cook; Wesley Manse, 14 Murray street, Bayswater; Perth.  
 278—The Rev. William John Cramp; Dangin; Beverley.  
 279—The Rev. William Cuthbertson, B.A.; Narrogin; Williams.  
 280—The Rev. Milton Simpson Davies; Northampton; Northampton.  
 281—The Rev. Keith Doust; 54 Trenton street, Wiluna; East Murchison.  
 282—The Rev. David John Campbell Dundas; 318 Bagot road, Subiaco; Perth.  
 283—The Rev. James Robert Elms; Wesley Manse, Kalamunda; Canning.  
 284—The Rev. Harry William Farman; Bridgetown; Blackwood.  
 285—The Rev. Herbert Hortin Fennell; 96 Chidlow street, Northam; Northam.  
 286—The Rev. Richard Ellis Finch; Methodist Manse, Bruce Rock; Bruce Rock.  
 287—The Rev. Robert Robinson Fleming; 33 Fifth avenue, Mt. Lawley; Perth.  
 288—The Rev. William Ernest Freeman; 42 Ellen street, Fremantle; Fremantle.

THE METHODIST CHURCH OF AUSTRALASIA—*continued.*

- No., Denomination and Name, Residence, Registry District.  
 289—The Rev. Arthur Stephen Joyce Fry; Perth road, Albany; Plantagenet.  
 290—The Rev. Joseph Green, B.A., B.D.; 26 Parry street, Swanbourne; Perth.  
 291—The Rev. Frank Hales; 232 Nicholson road, Subiaco; Perth.  
 292—Missioner Arthur Hawkins; Mundaring; Swan.  
 293—Mr. Arthur William Hawkins; Methodist Manse, Denmark; Plantagenet.  
 294—The Rev. William Arthur Hay; 15 Pennell road, Claremont; Perth.  
 295—The Rev. Norman Hicks; 150 Cambridge street, West Leederville; Perth.  
 296—The Rev. Walter Reginald Hill, L.Th., B.A. (Chaplain, R.A.A.F.); Group 414, R.A.A.F., Boulder; Boulder.  
 297—The Rev. Emlyn Gordon Hitchings; York; York.  
 298—The Rev. Raymund Hocking; Geraldton; Geraldton.  
 299—The Rev. Samuel Hodgkins; Harvey; Wellington.  
 300—The Rev. Adam Theodore Newton Hollands; 4 Stirling street, Bunbury; Wellington.  
 301—The Rev. Archibald George Howse, B.A., Dip.Ed.; Johnson street, Wagin; Katanning.  
 302—The Rev. Frederick Charles Norman Inwood (Chaplain A.M.F.) W53943; Kellerberrin; Northam.  
 303—The Rev. Frederick Elijah James; 124 Carr street, West Perth; Perth.  
 304—The Rev. Charles Alfred Jenkins; 40 Boronia avenue, Nedlands; Perth.  
 305—The Rev. George Arthur Jenkins, B.A., L.Th.; 32 Johnston street, Cottesloe; Perth.  
 306—The Rev. Sydney John Jenkins (Chaplain A.I.F.) WX29297; 110 (P), M.H., Hollywood; Perth.  
 307—The Rev. George Ernest Jones; 91 James street, Guildford; Swan.  
 308—The Rev. Clifford Thomas Lambert; Methodist Manse, Mt. Barker; Plantagenet.  
 309—The Rev. William Rawson Lang; 117 Berwick street, Victoria Park; Perth.  
 310—Missioner Samuel William Lawrence; Methodist Manse, Gingin; Gingin.  
 311—The Rev. George Ronald Limb; Katanning; Katanning.  
 312—The Rev. Herbert Lindley; 102 Angove street, North Perth; Perth.  
 313—The Rev. Arthur Benjamin Lloyd; Wesley Manse, 37 Havelock street, Perth; Perth.  
 314—The Rev. Arthur Mason; Wesley Manse, Egan street, Kalgoorlie; East Coolgardie.  
 315—The Rev. Richard Henry Mason; 19 Wright street, Mt. Lawley; Perth.  
 316—The Rev. Arthur Lewis Meyer; Dowerin; Northam.  
 317—The Rev. Henry Moore; 153 Guildford road, Maylands; Perth.  
 318—The Rev. Harley John Morrell; Wheatley street, Gosnells; Canning.  
 319—The Rev. William McNair; Methodist Manse, Boulder; Boulder.  
 320—The Rev. Thomas Laurence Nicholls; 56 Morrison road, Midland Junction; Swan.  
 321—The Rev. Edward James O'Rourke; Methodist Manse, Manjimup; Blackwood.  
 322—The Rev. Howard Pearson; Albany; Plantagenet.  
 323—The Rev. Cecil Raymond Phillips, M.A., B.D.; 127 Stirling highway, Claremont; Perth.  
 324—The Rev. Ebenezer Brown Roger; 131 Shepparton road, Victoria Park; Perth.  
 325—The Rev. Sydney Harold Samson Saggars, B.A.; Pingelly; Beverley.  
 326—Missioner Fred Charles Sampson; Bennett street, Lake Grace; Williams.  
 327—The Rev. Leslie Lloyd Semple; Donnybrook; Wellington.  
 328—The Rev. Thomas Frederick Smout; 169 Loftus street, North Leederville; Perth.  
 329—The Rev. James Evans Stone; 108 Edinboro street, Mt. Hawthorn; Perth.  
 330—The Rev. Charles Edmund Taylor; 6 Baird avenue, Nedlands; Perth.  
 331—The Rev. Hubert Roy Trenaman, M.A., Ph.D.; 6 York street, South Perth; Perth.  
 332—The Rev. James Vaughan; Wesley Manse, Collie; Wellington.  
 333—The Rev. John Frederick Whittle; Merredin; Northam.  
 334—Missioner Job Wilkinson; Methodist Manse, Wyalkatchem; Northam.  
 335—The Rev. Frank Wilmot; 33 Bedford street, East Fremantle; Fremantle.



## THE PRESBYTERIAN CHURCH.

- No., Denomination and Name, Residence, Registry District.
- 336—The Rev. James Adamson ; 31 Furnival street, Narrogin ; Williams.
- 337—The Rev. John Aitken, B.A., B.D. ; 7 Richardson street, West Perth ; Perth.
- 338—The Rev. James Henry Gardiner Archibald ; 7 Shackleton street, Bassendean ; Swan.
- 339—The Rev. Donald Mackenzie Baird ; 6 Queenslea drive, Claremont ; Perth.
- 340—The Rev. John Barnes ; 59 McCourt street, West Leederville ; Perth.
- 341—The Rev. Frederick William Berry ; 10 Pier street, Perth ; Perth.
- 342—The Rev. Joseph Frederick Boon ; Presbyterian Manse, Richardson street, Katanning ; Katanning.
- 343—The Rev. Neil Brown ; 37 H. Milton street, East Fremantle ; Fremantle.
- 344—The Rev. Gilbert Cameron, B.A. ; 42 Highway, Nedlands ; Perth.
- 345—The Rev. Trevor Joseph Bernard Diggins ; Presbyterian Manse, Kellerberrin ; Northam.
- 346—The Rev. John William Eddleston ; The Manse, 37 Mint street, Victoria Park ; Perth.
- 347—The Rev. Thomas Gibson ; 12 Venn street, Cottesloe ; Perth.
- 348—The Rev. Sydney Alfred Goddard (Chaplain R.A.A.F.) ; A.N.A. House, Perth ; Perth.
- 349—The Rev. Arthur John Heggie ; Presbyterian Mission, Kunmunya, Port George IV., via Broome, Broome.
- 350—The Rev. Robert Murray Herriman (Senior Chaplain A.I.F.) WX11192 ; 7 St. Martin's Flats, Stirling highway, Nedlands ; Perth.
- 351—The Rev. Albert Edward Jones ; 76 Seventh avenue, Maylands ; Perth.
- 352—The Rev. Rhys Albion Miller (Chaplain R.A.A.F.) ; 4 R.D., R.A.A.F. Station, Busselton ; Sussex.
- 353—The Rev. Bernard Wesley Morey ; St. Andrew's Manse, Cassidy street, Kalgoorlie ; East Coolgardie.
- 354—The Rev. Henry David McAndrew ; 32 Strickland street, South Perth ; Perth.
- 355—The Rev. Frank Murray Peirce, B.A. (Chaplain A.I.F.) WX1561 ; Military Camp, Karrakatta ; Perth.
- 356—Mr. John Pole ; St. George's Manse, Boulder ; Boulder.
- 357—The Rev. John Kirkland Robertson ; 11 Hillview road, Mt. Lawley ; Perth.
- 358—The Rev. Ian White Ross ; St. John's Manse, Lester avenue, Geraldton ; Geraldton.
- 359—The Rev. James Richard Sweet (Chaplain R.A.A.F.) ; Group 448, R.A.A.F. Station, Guildford ; Swan.
- 360—The Rev. Arthur John Custerson Tebbit ; 97 Canning road, East Fremantle ; Fremantle.
- 361—The Rev. James Guthrie Thrum ; 111 Forrest street, North Perth ; Perth.
- 362—The Rev. John Robert Thrum ; 94 Chidlow street, Northam ; Northam.
- 363—The Rev. George Tulloch ; 182 Goderich street, Perth ; Perth.

## THE CONGREGATIONAL CHURCH.

- 364—The Rev. Ernest Bryant ; 18 Macdonald street, Kalgoorlie ; East Coolgardie.
- 365—The Rev. Thomas Otho Bryant ; 25 Hamilton street, Subiaco ; Perth.
- 366—Pastor Charles Francis Durrant ; 173 Forrest street, East Fremantle ; Fremantle.
- 367—The Rev. Ralph Harrison Featherstone ; 22 Princep street, Bunbury ; Wellington.
- 368—The Rev. Arthur Clarence Hawke ; 101 Tate street, West Leederville ; Perth.
- 369—The Rev. Horatio Garrett Henderson ; 42 Rushton road, Victoria Park ; Perth.
- 370—The Rev. Edwin George King, B.A., L.Th. ; 5 Stanmore street, Subiaco ; Perth.
- 371—The Rev. Gershom Morris ; Congregational Manse, Collie ; Wellington.
- 372—The Rev. Robert Arthur Pretty, B.A., L.Th. ; Congregational Manse, Church avenue, Armadale ; Canning.
- 373—The Rev. Horace Maynard Riley ; 377 Bagot road, Subiaco ; Perth.
- 374—Pastor Reginald Salter ; Cowaramup ; Sussex.
- 375—Pastor Joseph Serls ; Armadale ; Canning.
- 376—The Rev. John Edward Shepherd ; 181 Bagot road, Subiaco ; Perth.
- 377—The Rev. Lincoln Sullivan ; Congregational Manse, 17 Adelaide street, Fremantle ; Fremantle.
- 378—The Rev. Richard Alfred Tevelyn Sullivan ; Dalwallinu ; Moora.
- 379—The Rev. George Herbert Wright, M.A., Litt.D. ; 97 Esplanade, South Perth ; Perth.

## THE SALVATION ARMY.

- No., Denomination and Name, Residence, Registry District
- 380—Raymond Beasy, a Captain in the Salvation Army ; 51 Oxford street, Leederville ; Perth.
- 381—Arthur Edward Burtenshaw, a Captain in the Salvation Army ; 12 Ninth avenue, Maylands ; Perth.
- 382—Bramwell Charles Day, an Adjutant in the Salvation Army ; 210 York road, Midland Junction ; Swan.
- 383—Harold Everett, a Major in the Salvation Army ; Red Shield Hostel, Murray street, Perth ; Perth.
- 384—Wallace Duff Forbes, a Brigadier in the Salvation Army ; 71 Lincoln street, Perth ; Perth.
- 385—Henry Hasluck, a Major in the Salvation Army ; 39 Wray avenue, Fremantle ; Fremantle.
- 386—Gill Inglis, a Brigadier in the Salvation Army ; 48 Pier street, Perth ; Perth.
- 387—Graeme Jackson, an Adjutant in the Salvation Army ; 19 Earl street, Albany ; Plantagenet.
- 388—Albert Edward Moore, a Major in the Salvation Army ; 37 Harold street, Mt. Lawley ; Perth.
- 389—Mabel Sexton, a Major in the Salvation Army ; 3 Roy street, Mt. Lawley ; Perth.
- 390—David John Southwell, a Major in the Salvation Army ; 48 Pier street, Perth ; Perth.
- 391—John Patrick Trotter, a Major in the Salvation Army ; 15 Smith street, Perth ; Perth.
- 392—George Brabner Wilson a Captain in the Salvation Army ; 26 Hampton street, Northam ; Northam.
- 393—Edward Charles Marion, a Captain in the Salvation Army ; 45 Brookman street, Kalgoorlie ; East Coolgardie.

## THE BAPTIST UNION OF W.A., INCORPORATED.

- 394—The Rev. Edward Leslie Beecham ; 15 Vaucluse street, Claremont ; Perth.
- 395—The Rev. James Wilson Brown ; Baptist Manse, Katanning ; Katanning.
- 396—The Rev. Ernest Walter Foote, L.Th. ; 120 Vincent street, North Perth ; Perth.
- 397—The Rev. Robert Arthur Haley ; 112 Kimberley street, West Leederville ; Perth.
- 398—Pastor Frederick William George Hall ; 104 Seventh avenue, Maylands ; Perth.
- 399—The Rev. James Hendry ; Baptist Manse, Narrogin ; Williams.
- 400—The Rev. Edward Hogg ; 65 Hamilton street, Bayswater ; Perth.
- 401—Pastor Frank Holder ; 226 Canning highway, South Perth ; Perth.
- 402—The Rev. Albert Edward Holloway ; 244 Canning road, East Fremantle ; Fremantle.
- 403—The Rev. James Henry Jauncey, B.Sc. ; 28 Loftus street, Claremont ; Perth.
- 404—The Rev. Harold William Law-Davis (Chaplain A.I.F.) WX36431 ; 118 A.G.H., Northam ; Northam.
- 405—Pastor Leslie Philip Perkins ; Baptist Manse, Dwellingup ; Murray.
- 406—The Rev. Joseph Benjamin Tonkinson Redshaw ; 128 Mandurah road, Fremantle ; Fremantle.
- 407—The Rev. Harry Reeve ; 5 Hampden street, South Perth ; Perth.
- 408—The Rev. John Harry Ridden ; 100 Edinboro street, Mt. Hawthorn ; Perth.
- 409—The Rev. Frederick Shiner ; 4 Winifred street, Mosman Park ; Perth.
- 410—Pastor Alwyn Rupert Stark ; Baptist Manse, Wagin ; Katanning.
- 411—The Rev. Robert Charter Strickson ; 100 Grey street, Albany ; Plantagenet.
- 412—Pastor Edgar Augustus Uren ; Baptist Manse, Pingelly ; Beverley.
- 413—The Rev. Carment Urquhart, B.A. ; Osborne street, Joondanna Heights ; Perth.

## CHURCHES OF CHRIST.

- 414—Mr. Thomas Bamford ; Uduc road, Harvey ; Wellington.
- 415—Mr. Richard James Duckett ; 7 Jones street, Collie ; Wellington.
- 416—Mr. Harold Richard Fitch ; 167 Egan street, Kalgoorlie ; East Coolgardie.
- 417—Mr. James Gordon ; 85 Chidlow street, Northam ; Northam.
- 418—Mr. Charles Henry Hunt ; 67 Forrest street, East Fremantle ; Fremantle.
- 419—Mr. Thomas Dallas Maiden ; Church of Christ Manse, Narembeen ; Bruce Rock.
- 420—Mr. Arthur Andrew McRoberts ; 3 East street, Maylands ; Perth.

CHURCHES OF CHRIST—*continued.*

- No., Denomination and Name, Residence, Registry District.  
 421—Mr. William Henry Nightingale; 31 Roberts road, Como; Perth.  
 422—Mr. Ivan Weymouth Nixon; 57 Parker street, Bassendean; Swan.  
 423—Mr. Roy Raymond; 260 Bagot road, Subiaco; Perth.  
 424—Mr. Kenneth Newton Roberts; Aborigines Mission, Norseman; Dundas.  
 425—Mr. John Keith Robinson; 134 Palmerston street, Perth; Perth.  
 426—Mr. Ernest Ryder Sherman; 132 Seventh avenue, Maylands; Perth.  
 427—Mr. Jabez Wiltshire; 15 View street, Subiaco; Perth.

## THE UNITED ABORIGINES' MISSION.

- 428—Mr. Howard Herbert Jethro Coate; Derby; West Kimberley.  
 429—Mr. Ernest Faulkner; Derby; West Kimberley.  
 430—Mr. Henry Coles Evans Lupton; Roelands; Wellington.  
 431—Mr. Roy Mitchell; Warburton Range; East Murchison.  
 432—Mr. Rodolphe Samuel Schenk; Morgans; Mt. Margaret.  
 433—Mr. Henry Gladwin Wakerley; Warburton Range; East Murchison.  
 434—Mr. Hedley Wright; Gnowangerup; Katanning.

## THE SEVENTH-DAY ADVENTISTS.

- 435—Pastor Leonard Steele Barnes; 10 Cleopatra street, Palmyra; Fremantle.  
 436—Pastor Thomas James Bradley; 5 Lutey avenue, Daglish; Perth.  
 437—Mr. Arthur Mackenzie Cott; 12 Ellen street, Subiaco; Perth.  
 438—Mr. Stanley Ossin Jean Louis; Hector street, Osborne Park; Perth.  
 439—Mr. Alexander Lawrence King; 74 Great Eastern highway, Belmont; Perth.  
 440—Pastor Alfred Frederick John Kranz; Carmel; Canning.  
 441—Pastor Frank Edward Lyndon; Smith street, Glen Forrest; Swan.  
 442—Pastor George Josiah Parker; 62 Clotilde street, Mt. Lawley; Perth.  
 443—Pastor Robert Henry Powrie; 62 Clotilde street, Mt. Lawley; Perth.  
 444—Mr. Clive Maxwell Smith; 95 Woolwich street, West Leederville; Perth.  
 445—Pastor David Absalom Speck; 142 Townsend road, Subiaco; Perth.  
 446—Pastor Fredrick Llewelyn Taylor; 2 Union street, Subiaco; Perth.

## EVANGELICAL LUTHERAN SYNOD OF AUSTRALIA.

- 447—The Rev. Rudolph Martin Graebner; 46 Clotilde street, Mt. Lawley; Perth.  
 448—The Rev. Alfred Conrad Lienert; Katanning; Katanning.  
 449—The Rev. Theodore Martin Lutze; 37 Second avenue, Mt. Lawley; Perth.

## PERTH HEBREW CONGREGATION.

- 450—The Rev. Hirsch Grochowski; 576 William street, Perth; Perth.

## PERTH JEWISH ASSOCIATION, INCORPORATED.

- 451—Mr. Abraham Caspi; 49 Woodville street, North Perth; Perth.

## ELIM FOUR SQUARE GOSPEL CHURCH.

- 452—Pastor Francis Feddiman Bailey; 61 Newcastle street, Perth; Perth.  
 453—Pastor Harry Lea; 26 Marita road, Nedlands; Perth.  
 454—Pastor William Meredith; 126 Alma road, North Perth; Perth.  
 455—Principal Walter Ernest Snowden; 15 Almondbury road, Mt. Lawley; Perth.

## BRETHREN CHURCH.

- No., Denomination and Name, Residence, Registry District.  
 456—Mr. Walter Stanley Leece; Busselton; Sussex.  
 457—Mr. Edward Thomas Wilkinson; 75 Williams road, Nedlands; Perth.

## SOCIETY OF FRIENDS (QUAKERS).

- 458—Mr. Francis Beale Creeth; 20 Avonmore terrace, Cottesloe; Perth.

## THE GREEK ORTHODOX CHURCH.

- 459—The Rev. Christopher Manessis; 122 Aberdeen street, Perth; Perth.

## REORGANISED CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS.

- 460—Elder Oscar Frank Edward Stack; 16 Holland street, East Fremantle; Fremantle.

## LIBERAL CATHOLIC CHURCH.

- 461—The Rev. David Benjamin Ewart; Hampden street, South Perth; Perth.  
 462—The Right Rev. Stanley Sprott Fisher; 26 Lawley crescent, Mt. Lawley; Perth.

## CHURCHES OF JESUS CHRIST OF LATTER DAY SAINTS.

- 463—Elder William Wood; 313 Churchill avenue, Subiaco; Perth.

## CHRISTADELPHIAN CHURCH.

- 464—Mr. Thomas Boyle; 70 Normanby road, Inglewood; Perth.  
 465—Mr. Cecil Robinson Tucker; 15 Newcastle road, Midland Junction; Swan.

## REMNANT CHURCH.

- 466—Pastor Albert Henry Britten; 10 Geddes street, Victoria Park; Perth.

## THE APOSTOLIC CHURCH.

- 467—Pastor Joshua Garvie McCabe; 20 North Beach road, North Perth; Perth.

## PROGRESSIVE SPIRITUALISTS' CHURCH.

- 468—Mrs. Maud Mary McDonough; 122 William street, Perth; Perth.

## THE PERTH SOCIETY OF THE NEW CHURCH.

- 469—Mr. William Herbert Hickman; 14 Strathcona street, West Perth; Perth.

## FULL GOSPEL CHURCH OF WESTERN AUSTRALIA.

- 470—Mr. Thomas James Turkington; 202 Lord street, East Perth; Perth.

## THE SEEKERS' CENTRE.

- 471—Mr. Arthur Samuel Webb; 14 Heytesbury road, Subiaco; Perth.

## APPOINTMENT

(under section 5 of the Registration of Births, Deaths and Marriages Amendment Act, 1907, and section 2 of the Registration of Births, Deaths, and Marriages Act Amendment Act, 1914).

Registrar General's Office,  
Perth, 15th January, 1945.

THE following appointments have been approved:—R.G. No. 43/42—Constable John Edgar Scott, temporarily, as Assistant District Registrar of Births and Deaths for the Northam Registry District, to reside at Kellerberrin, during the absence on sick leave of Constable G. Ross, appointment to date from 19th September, 1944; R.G. No. 170/42.—Mr. Jack Herbert Godfrey, temporarily, as District Registrar of Births, Deaths and Marriages for the Williams Registry District, to reside at Narrogin, during the absence on annual leave of Mr. T. L. Brown, appointment to date from 15th January, 1945.

NORMAN B. BRICE, Acting Deputy Registrar General.

Registrar General's Office,  
Perth, 24th January, 1945.

IT is hereby published, for general information, that the undermentioned Ministers have been duly registered in this Office for the Celebration of Marriages throughout the State of Western Australia:—

R.G. No., Date, Denomination and Name, Residence, Registry District.

#### ROMAN CATHOLIC CHURCH.

57/43; 25/1/45; Rev. Rupert Sydney Thomas Kelly; 2 McNeil street, Cottesloe; Perth.

#### SEVENTH DAY ADVENTISTS.

35/41; 1/2/45; Mr. Robert Harold Abbott; 62 Clotilde street, Mt. Lawley; Perth.

IT is hereby published, for general information, that the names of the undermentioned Ministers have been duly removed from the register in this office of Ministers registered for the Celebration of Marriages throughout the State of Western Australia:—

R.G. No., Date, Denomination and Name, Residence, Registry District.

#### ROMAN CATHOLIC CHURCH.

57/43; 3/11/44; Rev. John Cullen; Meekatharra, Murchison.

57/43; 25/1/45; Rev. James Edward Bourke; 2 McNeil street, Cottesloe; Perth.

#### THE METHODIST CHURCH OF AUSTRALASIA.

85/44; 10/11/44; Rev. Thomas Burt; 18 Thompson road, North Fremantle; Fremantle.

#### THE UNITED ABORIGINES MISSION.

57/42; 31/12/44; Mr. Charles Edwin Payne; Morgans; Mt. Margaret.

#### SEVENTH DAY ADVENTISTS.

35/41; 23/1/45; Pastor Hubert George Bryant; Harper street, Harvey; Wellington.

35/41; 23/1/45; Pastor John Arthur Charlton; 134 Macdonald street, Kalgoorlie; East Coolgardie.

NORMAN B. BRICE, Acting Deputy Registrar General.

#### IN THE COURT OF ARBITRATION OF WESTERN AUSTRALIA.

No. 15 of 1943.

Between the Coastal Food Manufacturers and Wholesale Mixing and Packing Establishments Employees' Industrial Union of Workers, applicant, and Mills and Ware, Limited, respondent.

THE Court of Arbitration of Western Australia doth hereby make the following Award in connection with the Industrial Dispute between the abovenamed parties:—

#### AWARD.

##### 1.—Scope.

This Award shall apply to all workers employed by the employer following the vocations mentioned in clause 5 of this Award: Provided that it shall not apply to workers who are at present provided for in any Award of the Court of Arbitration of Western Australia or in any Industrial Agreement registered in accordance with the provisions of the Industrial Arbitration Act, 1912-1941: Provided further, that this Award shall be limited in its application to establishments which are engaged in biscuit, cake, and sponge manufacturing for re-sale by another business, and icing sugar crushing for use by the employer and/or for re-sale by another business.

##### 2.—Area.

This Award shall have effect over the area comprised within a radius of fifteen (15) miles from the G.P.O., Perth.

##### 3.—Term.

This Award shall be for a term of one (1) year.

##### 4.—Hours of Work.

(a) Forty-four (44) hours shall constitute a week's work, to be worked, at the option of the employer, in five (5) or five and a half (5½) days, between Monday and Saturday, inclusive.

(b) A worker shall not be compelled to work for more than six (6) hours without a break for a meal.

##### 5.—Wages.

##### (a) Basic Wage—

	Within a 15-mile radius from the G.P.O., Perth.	Outside a 15-mile radius but within a 20-mile radius from the G.P.O., Perth.
	Per Week. £ s. d.	Per Week. £ s. d.
Adult Males ..	4 19 11	5 0 9
Adult females ..	2 13 11	2 14 5

##### (b) Adult males—

	Margin Per Week. £ s. d.
Biscuit makers ..	1 0 0
Machine hands ..	1 0 0
Weighers, mixers, blenders and others over 21 years ..	0 10 0
Unspecified workers ..	Nil.
Employees in charge of cake-mixing baking ..	1 0 0
Male employees in charge of a department containing at least two or more other employees ..	0 12 0

##### (c) Adult females—

Females over the age of twenty-one years (irrespective of experience) ..	0 1 9
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##### (d) Junior workers (male)—

	Per cent. of Male Basic Wage.
During the 1st six months' experience ..	20
During the 2nd six months' experience ..	25
During the 3rd six months' experience ..	30
During the 4th six months' experience ..	35
During the 3rd year's experience ..	40
During the 4th year's experience ..	50
During the 5th year's experience ..	60
During the 6th year's experience ..	70
During the 7th year's experience ..	85

On attaining the age of 21 years adult rates shall apply.

Provided that junior workers on brake machine or employed in feeding and emptying travelling biscuit ovens shall be paid ten per cent. (10%) extra.

##### (e) Junior workers (female)—

	Per cent. of Female Basic Wage.
During the 1st six months' experience ..	40.0
During the 2nd six months' experience ..	47.5
During the 3rd six months' experience ..	52.5
During the 4th six months' experience ..	65.0
During the 3rd year's experience ..	75.0
During the 4th year's experience ..	82.5
And thereafter until attaining the age of 21 years ..	87.5
On attaining the age of 21 years, adult rates shall apply.	

(f) Shift workers provided for in clause 6 hereof, other than when on day shift, shall be paid the sum of two shillings (2s.) for each shift in addition to the ordinary rates prescribed herein.

##### 6.—Shift Work.

(a) When shift work is worked, the starting and finishing times may be fixed from time to time by agreement in writing between the employer and the union, or, failing agreement, by the Board of Reference.

(b) No worker under sixteen (16) years of age shall be employed as a shift worker.

(c) The provisions of this clause and of subclause (f) of clause 5 shall operate during the period of the war and for three (3) months thereafter.

## 7.—Overtime.

(a) Except as provided in subclauses (d) and (e) of this clause, all work performed before the usual starting time or after the usual finishing time, or beyond forty-four (44) hours in any one (1) week, shall be paid for at the rate of time and a half for the first four (4) hours and double time thereafter.

(b) All work performed on Saturday afternoon and Sunday shall be paid for at the rate of double time.

(c) All work performed on any of the holidays specified in clause 8 hereof shall be paid for at ordinary rates, in addition to the weekly wage.

(d) Any adult worker, other than a shift worker, called upon to commence work between 12 o'clock midnight and 6 a.m. on operations which must necessarily commence between those times, shall be paid two shillings (2s.) per day in addition to his ordinary rate.

(e) Any junior worker, other than a shift worker, called upon to commence work between 12 o'clock midnight and 6 a.m. on operations which must necessarily commence between those times, shall be paid at the rate of thirteen per cent. (13%) in addition to the weekly rate prescribed in clause 5.

## 8.—Holidays.

The following days, or the days observed in lieu, shall be allowed and paid for, namely:—New Year's Day, Anniversary Day, Good Friday, Easter Saturday, Easter Monday, Anzac Day, Labour Day, Foundation Day, Christmas Day and Boxing Day.

## 9.—Annual Leave.

(a) A holiday of one (1) week on full pay shall be granted to each worker on completion of each year of service. A worker not completing one year of service shall be granted pay in lieu of holidays, in proportion to the length of his or her service: Provided that this clause shall not apply in the case of a worker dismissed for misconduct or dereliction of duty.

(b) Any worker who is dismissed for misconduct or who illegally severs his contract of service shall lose all rights under this clause.

## 10.—Sick Leave.

(a) A worker shall be entitled to payment for non-attendance, on the ground of personal ill-health, for one-half ( $\frac{1}{2}$ ) day for each completed month of service: Provided that payment for absence through such ill-health shall be limited to six (6) days (one week's pay) in each calendar year. Payment hereunder may be adjusted at the end of each calendar year or at the time the worker leaves the service of the employer, in the event of the worker being entitled by service subsequent to the sickness to a greater allowance than that made at the time the sickness occurred. This clause shall not apply where the worker is entitled to compensation under the Workers' Compensation Act.

A worker shall not be entitled to receive any wages from his employer for any time lost through the result of an accident not arising out of or in the course of his employment, or for any accident, wherever sustained, arising out of his own wilful default or for sickness arising out of his own wilful default.

No worker shall be entitled to the benefits of this clause unless he produces proof satisfactory to his employer of sickness, but the employer shall not be entitled to a medical certificate unless the absence is for three (3) days or more.

(b) Any time in respect of which a worker is absent from work, except time for which he is entitled to claim sick pay under the preceding provision, shall not count for the purpose of determining his right to holidays.

## 11.—Mixed Functions.

A worker who is required to do work which is entitled to a higher rate under this Award than that which he or she usually performs shall be entitled to the higher rate whilst so employed.

## 12.—Contract of Service.

(a) Except in the case of a casual worker, whose engagement shall be by the hour, the contract of hiring of every worker shall be a weekly contract, terminable on either side by one (1) week's notice given on any day.

(b) Any worker not attending for duty shall lose his pay for the actual time of such non-attendance, subject to the provisions of clause 10 hereof, as to payment for absence on account of illness.

(c) This clause does not affect the right to dismiss for misconduct, in which case wages shall be paid up to the time of dismissal only.

(d) The employer shall be entitled to deduct payment for any day upon which the worker cannot be usefully employed through any breakdown of the employer's machinery or from any other cause for which the employer is not responsible.

## 13.—Time and Wages Record.

The employer shall keep, or cause to be kept, a record containing the following particulars:—(a) The name of each worker, (b) the class of work performed, (c) the hours worked each day, (d) the wage and overtime (if any) paid, (e) the age of each junior worker.

Such record shall be open to the inspection of an accredited representative of the union.

## 14.—Inspection by Union.

(a) The Secretary of the Union, or any official thereunto authorised in writing by the Union shall, on production of such authority to the employer or his manager, be allowed once in each week to inspect any part of the employer's works where it is suspected that a breach of this Award has occurred, or is occurring, but such inspection shall be carried out in the company of the employer or someone on his behalf.

(b) The employer shall provide the necessary facilities for the investigation of the breach, or the supposed breach, of the Award, including access to the time books, sheets or cards referred to in the preceding clause.

(c) The union official exercising his right under this clause shall not interfere with or inconvenience the work and duties of the workers more than is absolutely necessary for the proper investigation of the breach or supposed breach of the Award.

## 15.—Aged and Infirm Workers.

(a) Any worker who by reason of old age or infirmity is unable to earn the minimum wage may be paid such lesser wage as may from time to time be agreed upon in writing between the union and the employer.

(b) In the event of no agreement being arrived at, the matter may be referred to the Board of Reference for determination.

(c) After application has been made to the Board, and pending the Board's decision, the worker shall be entitled to work for the employer at the proposed lesser rate.

## 16.—Posting of Award.

The employer shall, upon request of the union, post a copy of this Award in a conspicuous place in the factory, where it is easily accessible to the workers.

## 17.—Board of Reference.

For the purpose of this Award, a Board of Reference is hereby appointed, which shall consist of a chairman and two (2) other representatives, one to be nominated by each of the parties. The said Board shall have assigned to it in the event of no agreement being arrived at between the parties to the dispute the functions of:—(a) Adjusting any matters of difference which may arise from time to time except such as involve interpretation of the provisions of this Award or any of them; (b) classifying and fixing wages, rates and conditions for any occupation or calling not specifically mentioned in the Award; (c) dealing with any other matter which the Court may refer to the Board from time to time.

An appeal shall lie from any decision of such Board in the manner and subject to the conditions prescribed in the Regulations to the Industrial Arbitration Act, 1912-1941, which for this purpose are embodied in this Award.

## 18.—No Reduction.

Nothing herein contained shall entitle an employer to reduce the wage of any worker who at the date of this Award was being paid a higher rate of wage than the minimum prescribed for his or her class of work.

## 19.—Junior Worker's Certificate.

Junior workers, upon being engaged shall, if required, furnish the employer with a certificate containing the following particulars:—(1) Name in full, (2) Age and date of birth, (3) Name of each previous employer and length of service with such employer, (4) Class of work performed for each previous employer.

Such of the foregoing particulars as are within the knowledge of an employer shall be endorsed on the certificate and signed by the employer, upon request of the worker.

No worker shall have any claim upon an employer for additional pay, in the event of the age or length of service of the worker being wrongly stated on the certificate. If any junior worker shall wilfully misstate his age in the above certificate he alone shall be guilty of a breach of this Award.

## 20.—Breakdowns, Etc.

The employer shall be entitled to deduct payment for any day or portion of a day upon which the worker cannot be usefully employed because of any strike by the union or unions affiliated with it, or by any other association or union, or through the breakdown of the employer's machinery, or any stoppage of work by any cause which the employer cannot reasonably prevent.

## 21.—Meal Money.

When a worker, without being notified on the previous day, is required to continue working after the usual knock-off time for more than one (1) hour, he shall be provided with any meal required or shall be paid one shilling and sixpence (1s. 6d.) in lieu thereof.

## 22.—Working During Meal Hour.

If a worker is required to work during his usual meal period so that the commencement of such meal period is postponed for more than one (1) hour, such worker shall receive payment at double time rates until he or she gets a meal.

## 23.—General Clauses.

(a) No female worker shall be permitted to lift or to carry weights in excess of thirty-five (35) lbs.

(b) Where and when practicable suitable seating accommodation shall be provided for female workers unless it is physically impossible to carry out the work required in a sitting posture.

(c) A suitable change and mess room shall be provided.

In witness whereof this Award has been signed by the President of the Court, and the Seal of the Court has been hereto affixed, this 4th day of January, 1945.

[L.S.]

(Sgd) WALTER DWYER, President.

## INDUSTRIAL AGREEMENT No. 9 of 1944.

(Registered 12/12/44.)

THIS Agreement, made in pursuance of the Industrial Arbitration Act, 1912-1941, this 21st day of November. One thousand nine hundred and forty-four between the Swan Brewery Company, Limited; the Emu Brewery, Limited; the Redcastle Brewery, Limited; D. Curtis, Limited, and the West Australian Glass Manufacturers, Limited, and Union Maltings Proprietary, Limited, all of Perth and Fremantle, and Globe Brewery, Limited, of Geraldton (hereinafter in these presents called "the employers"), of the one part, and The Breweries, Bottle Yard, and Marine Store Employees' Industrial Union of Workers, of Perth, Western Australia, being an industrial union of workers registered under the provisions of the Industrial Arbitration Act, 1912-1941 (hereinafter in these presents called "the union"), of the other part; whereby it is mutually agreed by and between the parties hereto that the several stipulations, conditions, and provisions set out herein shall, in all cases, be binding upon and shall

be faithfully and promptly carried out, observed, performed, and complied with, according to the true intent and meaning thereof, by the parties hereto; and it is also hereby mutually agreed by and between the parties hereto that this Agreement shall apply to the whole of the employees embraced in the Schedule herein contained.

## 1.—Interpretation.

For the purpose of this Agreement—

(a) "Casual hands" shall mean any person who is not employed for more than forty-four ordinary working hours, 8 a.m. to 5 p.m., when working a five and a half days week, or 7.30 a.m. to 5 p.m., when working a five days week.

(b) "Cylinder man" whenever used in this Agreement, shall mean a worker who is generally employed at a majority of the undermentioned occupations, namely, filling, preparing, carbonising, and racking beer from a chilling cylinder, but shall not mean any employee who is casually employed in any one of the last-mentioned processes.

(c) "Bottle-washer" shall mean any person employed washing bottles by hand or machinery.

(d) "Fireman" shall mean a person employed in a stokehole attending a steam boiler or gas-producing plant.

(e) "Night cellarman and night maltsters" shall apply only to cellarman and maltsters who are employed on nightshift.

(f) "Leading hands" are employees who are in charge of and responsible for the work of others.

## 2.—Wages Schedule.

The parties to this Agreement mutually agree that the minimum rate of wages that shall be paid by the employers respectively to the persons employed by such employers in the capacities undermentioned is as follows:—

(a) Basic wage.—Within a radius of 15 miles from the G.P.O., Perth, £4 19s. 11d.; Geraldton Municipal Area, £5 0s. 9d.

(b) Adults:

Bottling Department	Metropolitan		Margin over Basic Wage Per Week.	
	Area.		Geraldton.	
	£	s. d.	£	s. d.
Cylinder men .. ..	1	5 1	1	4 3
Bottle-washers, packers, sorters .. ..	1	0 1	0	19 3
Floormen, bottlers, cap-sulers, tinfoliers ..	1	0 1	0	19 3
Corkers, pasteurisers, tallymen, wirens .. ..	1	0 1	0	19 3
Yardmen and all other adult labourers employed in or about a beer bottling works .. ..	1	0 1	0	19 3
Fireman .. ..	1	3 1	1	2 3
Motor lorry driver without attendant .. ..	1	10 1	1	9 3
Motor lorry driver with attendant .. ..	1	7 7	1	6 9
Leading hands .. ..	1	10 1	1	9 3
Brewery.				
Cask washers .. ..	1	0 1	0	19 3
Cask pitchers .. ..	1	3 1	1	2 3
Assistant topmen .. ..	1	3 1	1	2 3
Skimming plant attendants .. ..	1	0 1	0	19 3
Assistant cellarman .. ..	1	0 1	0	19 3
Condition tank attendants .. ..	1	0 1	0	19 3
Night cellarman .. ..	1	5 1	1	4 3
Yardman .. ..	1	0 1	0	19 3
Stableman .. ..	1	0 1	0	19 3
Maltsters .. ..	1	0 1	0	19 3
Carters, brewing or bottling works .. ..	1	0 1	0	19 3
Blacksmith's striker .. ..	1	0 1	0	19 3
Cylinder men .. ..	1	5 1	1	4 3
Tradesmen's labourers other than building trade ..	1	0 1	0	19 3
All other adult labourers employed in or about a brewery .. ..	1	0 1	0	19 3
Firemen .. ..	1	3 1	1	2 3
Leading hands .. ..	1	10 1	1	9 3

Provided that if during the currency of this Agreement the Court of Arbitration of Western Australia should prescribe a basic wage generally or in any district differing in amount from that prescribed herein, then any increase or decrease as the case may be, shall be in such basic wage deducted from or added to the Margins herein prescribed to the intent that the wages herein prescribed shall remain constant.

Workers in cold rooms or cellars with a temperature of less than 45deg. Fah. shall be paid 3s. 3d. per week in addition to the minimum rate.

Maltsters working nightshift shall receive 1s. per shift as an extra allowance.

Carters.—Carters or others feeding and attending to horses shall be paid at the rate of 2s. per horse for a week of six days and an extra 8d. per horse for attention given on Sundays.

Boiler cleaning, which shall include scraping, cleaning and painting cylinders. For all time which they may be employed at this class of work, workers shall be entitled to be paid at the rate of 1s. per hour in addition to the rates prescribed herein for their ordinary classification.

Ammonia coils.—For all time which they may be employed chipping, cleaning, scraping, or painting ammonia coils workers shall be entitled to be paid at the rate of 1s. per hour in addition to the rates prescribed herein for their ordinary classifications, and whilst so engaged shall be supplied free with goggles, pullovers and respirators and allowed reasonable time before the end of each shift to cleanse themselves.

Driver of a motor vehicle fitted and operated with a charcoal gas producer unit—for each day or portion of a day upon which he is called upon to drive such vehicle, one shilling (1s.) per day extra. Cleaner of gas producer unit who is not a driver, for each day or portion of a day upon which he is called upon to clean, sixpence (6d.) per day extra.

Coal handling.—Workers employed on breaking, crushing, and handling coal in bunkers or bins shall, for all time whilst so employed, be entitled to be paid at the rate of 6d. per hour in addition to the rates prescribed herein for their ordinary classifications.

Boots.—The employers agree to supply boots to those workers employed at bottle-washing on the tanks, at the tube, at the filters, at the cask-washing shed, and at the bottlers, to be worn during working hours, same to be supplied free of cost by the employers.

Oilers and aprons.—The employers agree to provide oilskin coats and leather aprons for carters, to be used whilst doing the employer's work only.

### 3.—Hours.

Forty-four hours shall constitute an ordinary week's work for all workers. Such hours shall (except as to shift workers) be worked on the following bases:—

(a) All workers other than those mentioned in sub-clauses (b), (c) and (d) hereunder:—Five day week, Mondays to Fridays inclusive, starting at 7.30 a.m. and finishing at 5.0 p.m. with an interval of 42 minutes for lunch.

(b) All workers employed by Union Maltings Proprietary, Limited, other than those mentioned in sub-clauses (c) and (d) hereunder:—Five and a half day week, consisting of 8.0 a.m. to 5.0 p.m. with an interval of one hour for lunch on Mondays to Fridays inclusive, and 8.0 a.m. to 12 o'clock noon on Saturdays.

(c) Stablemen and firemen.—Forty-four hours, consisting of eight hours a day, Monday to Friday inclusive, and four hours on Saturday, shall constitute a week's work for firemen and stablemen, who shall commence work not before 5 a.m. on any day, and the employer may require any fireman or stableman to start work at any time after that time, but such work shall not be less than eight hours on Monday to Friday inclusive and four hours on Saturday, and each fireman or stableman shall work forty-four hours from Monday to Saturday in every week.

(d) Night cellarman and night maltsters.—Forty-four hours, consisting of not more than eight hours forty-eight minutes a day, shall constitute a week's work for night cellarmen and night maltsters, who shall commence work not before 5 p.m. or after 2 a.m. on any ordinary working day.

### 4.—Shift Work.

(Applicable to Topmen, Assistant Topmen, Cellarmen, and Assistant Cellarmen.)

(a) Shiftmen employed as topmen, assistant topmen, cellarmen, and assistant cellarmen shall be deemed to be two (2) or three (3) sets of men working shifts not exceeding eight (8) hours each, spread over a period of sixteen (16) or twenty-four (24) hours on the ordinary working days in each week. All shifts will begin on Sundays, the first at 11.30 p.m. and terminate on Saturdays in each week.

(b) Duty rosters.—Rosters shall be posted on Fridays in each week showing the shifts for the following week's work. Such roster shall show the starting and finishing time of each worker during such week. Particulars relating to starting and finishing time displayed on the roster shall be rigidly adhered to. Rosters will provide that the week's work shall begin at 11.30 p.m. on Sunday night, the first shift to terminate at 7.30 a.m., the second shift, when three (3) shifts are worked—from 7.30 a.m. to 3.30 p.m., and the third shift from 3.30 p.m. to 11.30 p.m. In order to complete 44 hours work per week, Saturday shifts to be from 8 a.m. to 12 noon. When two (2) shifts are worked work shall begin at 11.30 p.m. on Sunday night and terminate at 7.30 a.m., and be from 7.30 a.m. to 3.30 p.m. on the first five of the second shifts of the week; work to finish at 12 noon on Saturday.

All rostered shifts shall be made to rotate.

(c) A crib time of thirty minutes on each shift shall be allowed to all workers on shift when two or more shifts are worked. Crib time shall be included in the working time.

(d) Workers employed on night or afternoon shift shall receive one shilling (1s.) per shift as an extra allowance.

(e) The provisions of this clause apply only to such topmen, cellarmen, and assistant cellarmen whose names shall be rostered in accordance with the foregoing.

### 5.—Overtime.

(a) If any worker works earlier than his starting time or later than his quitting time, he shall be paid overtime at the rate of time and a half. Each day shall stand alone.

(b) Any worker, except as provided in clauses 3 and 4 hereof, on day shift, who is required to work before 7.30 a.m. or 8.0 a.m. as the case may be shall not be called upon by the employer to cease work until 5 p.m. and shall be paid overtime rates for the time worked previous to 7.30 a.m. or 8.0 a.m. as the case may be.

(c) Any worker, except as provided in clauses 3 and 4 hereof, starting work at the request of the employer at a time during the day later than 7.30 a.m. or 8 a.m. as the case may be shall continue his employment without a break, other than for meals, until he has completed his normal number of hours work for the day. During each shift so worked such worker shall be paid overtime rates after 5 p.m.

(d) All workers on day shift engaged in or about a brewery or bottling works shall, if required to work more than one hour's overtime after 5 p.m., knock-off between 5 p.m. and 6 p.m. for refreshments.

(e) Saturday afternoon work shall be avoided as much as possible and eliminated entirely, if possible.

### 6.—Tea Money.

Tea money shall be paid at the rate of two shillings (2s.) where notice of overtime is not given at least twenty-four hours previously.

### 7.—Lunch Interval.

(a) Five day week.—The lunch interval of 42 minutes shall be taken between 12 o'clock noon and 12.42 p.m. or between 1.0 p.m. and 1.42 p.m.

(b) Five and a half day week.—The lunch interval of one hour shall be taken between 12 o'clock noon and 1 p.m. or between 1.0 p.m. and 2.0 p.m.

### 8.—Smoke-o.

Ten minutes shall be allowed at 10 o'clock a.m. and again at 3 o'clock p.m. This concession, however, does not apply to men working on shifts.



## 9.—Casual Hands.

All casual hands employed by the employers shall be paid at the rate of 2s. 10d. per hour.

## 10.—Record.

Each employer shall keep a record of the name of each worker, except stablemen, the time he starts and finishes each day, total number of hours worked, overtime worked, and wages paid to each worker, and such record shall be open to the inspection of the secretary of or any other person appointed by the union during working hours. Each worker shall sign the record kept for all moneys received by him.

## 11.—Sundays.

All work performed by workers in any department on Sunday shall receive payment for same at the rate of double time.

Workers who are required to work shift work shall be allowed one Sunday off per fortnight.

## 12.—Holidays.

All work performed by workers in any department on the undermentioned holidays shall be paid for at double time rates, with a minimum of four hours' pay. All holiday shifts shall rotate. If no work be done, the ordinary rate shall be paid for holidays.

The days to be observed as holidays according to the provisions of this Agreement are Christmas Day, Boxing Day, New Year's Day, Anniversary Day (in January), Annual Picnic Day, Good Friday, Easter Saturday, Easter Monday, Anzac Day, Labour Day, Foundation Day (in June), Show Day, and Sovereign's Birthday.

In case any of the above holidays fall on a Sunday the following Monday shall be observed in lieu thereof.

## 13.—Annual Leave.

Two weeks' annual leave on full pay shall become due to workers with twelve months' service, such leave to be taken at times to be mutually agreed on between the workers and the employers, between the thirtieth of April and thirtieth of September in each year, in addition to the holidays mentioned in clause 12 hereof. Temporary hands with less than twelve months' service, on retirement shall receive a proportion of two weeks' holiday equivalent to seven and one-third hours' pay per month of service.

## 14.—Xmas Bonus.

All workers who have worked continuously for the same employer from any date not later than the 1st July in any year up to and including Christmas Day in that year shall be then entitled to receive a bonus equal to one week's pay.

## 15.—Under-rate Workers.

(a) Any worker who by reason of old age or infirmity is unable to earn the minimum wage, may be paid such lesser wage as may from time to time be agreed upon in writing between the Union and the employer.

(b) In the event of no agreement being arrived at the matter may be referred to the board of reference for determination.

(c) After application has been made to the board, and pending the board's decision, the worker shall be entitled to work for or be employed at the proposed lesser rate.

(d) The provisions of regulation 92 of the regulations made under the Industrial Arbitration Act, 1912-1941, shall be deemed to apply to any Board of Reference appointed hereunder.

## 16.—Engagement.

(a) The engagement between employer and worker, except casual hands, shall be weekly, and may be terminated by a week's notice from either party, except in the case of the worker absenting himself without leave, not obeying lawful commands, or being guilty of other misconduct, or of the works of the employer being stopped through fire or tempest, when such engagement may be terminated immediately.

## 17.—Absence Through Sickness.

(a) Any worker being unable, through sickness or accident, to attend to his duties, shall notify the employer not later than 10 a.m. on the day he first

absents himself from duty, and he shall also satisfy the employer that he is unable to attend to his duties and, if called upon, shall provide a medical certificate that he is unfit to perform his work through sickness.

(b) A worker shall be entitled to payment for non-attendance, on the ground of personal ill-health, for one-half ( $\frac{1}{2}$ ) day for each completed month of service: Provided that payment for absence through such ill-health shall be limited to six (6) days in each calendar year. Payment hereunder may be adjusted at the end of each calendar year, or at the time the worker leaves the service of the employer, in the event of the worker being entitled by service subsequent to the sickness to a greater allowance than that made at the time the sickness occurred. Except as aforesaid, a worker shall not be entitled to payment for time lost through sickness. This clause shall not apply where the worker is entitled to compensation under the Workers' Compensation Act.

## 18.—Contractors.

All work of any employee in the capacity as mentioned in this Agreement in or about a brewery or bottling works, or in connection with the business of brewing or beer bottling, shall be carried out departmentally by bona fide brewery employees engaged and paid direct by the brewery proprietors and not by agents or contractors. This clause shall not apply to contractors erecting, repairing, or making alterations to buildings or machinery, or to carriers being engaged for the delivery of goods other than beer as has been the practice or custom prior to this date. But when contractors are employed delivering beer the brewery company shall undertake to see that whilst employed on such work the contractors pay to both the drivers and offsidiers the same wages and work under the same conditions as is provided in this Agreement.

## 19.—Area.

This Agreement shall apply to the area comprised within a radius of fifteen (15) miles from the General Post Office, Perth, and to the township of Geraldton.

## 20.—Term.

The term of this Agreement shall be twelve months from the first day of November, 1944.

As witness the execution hereof on behalf of the respective parties hereto, the day and year first hereinbefore written—

Signed for and on behalf of the Swan Brewery Company, Limited, in the presence of—	} For the Swan Brewery, Co., Ltd. A. W. JACOBY, General Manager.
C. R. McWilliam.	

Signed for and on behalf of the Emu Brewery Company Limited, in the presence of—	} S. JONES.
F. D. Leslie.	

Signed for and on behalf of D. Curtis, Limited, in the presence of—	} D. Curtis, Ltd. A. CURTIS.
A. L. Feast.	

Signed for and on behalf of the Redcastle Brew- ery, Limited, in the presence of—	} The Redcastle Brewery, Limited. S. A. ELLIOTT.
A. L. Feast.	

Signed for and on behalf of Globe Brewery, Lim- ited, in the presence of—	} The Globe Brewery, Limi- ted. C. WILSON, Secretary.
Thos. C. Breheny.	

Signed for and on behalf of the West Australian Glass Manufacturers, Limited, in the pre- sence of—	} For the West Australian Glass Manufacturers, Limited. WM. MORANCE, Secretary.
D. Buchanan.	

Signed for and on behalf of Union Maltings Proprietary, Limited, in the presence of—  
J. Andrews.

For and on behalf of Union Maltings Proprietary Limited.  
J. SHERIDAN.

The Common Seal of the Breweries, Bottle Yard and Marine Store Employees' Industrial Union of Workers was hereunto affixed by—

ROBERT BURNS FINDLAY,  
President.

ROBERT SCOTT PURVES,  
Secretary.

and the members elected at a special meeting of the said Union called for the purpose of arbitration and in the presence of the Secretary of the said Union.

(Note.—Pursuant to regulations 17 (1) (b) of the National Security (Economic Organisation) Regulations, approval was given on 8th December, 1944, by the Minister of State for Labour and National Service to the making of the abovementioned Industrial Agreement.)

### INDUSTRIAL AGREEMENT.

(No. 1 of 1945.)

(Registered 10/1/45.)

THIS Agreement made in pursuance of the Industrial Arbitration Act, 1912-1941 this 14th day of December, one thousand, nine hundred and forty-four, between the Australian Workers' Union, Western Branch, Industrial Union of Workers (hereinafter called "the Union") of the one part, and Kiesey Brothers (hereinafter called "the employers") of the second part, witnesseth that, for the considerations hereinafter appearing, the parties hereto mutually covenant and agree the one with the other as follows:—

#### Clause 1.—Area and Scope.

This award shall operate over that portion of the State of Western Australia outside the South West Land Division and apply to the Lime Production Industry.

#### Clause 2.—Term.

The currency of this Award shall be for one year from the date hereof.

#### Clause 3.—Contract of Service.

All workers shall be engaged and paid by the day, and one day's notice of determination shall be given by either party.

#### Clause 4.—Wages.

The minimum rate of wages to be paid shall be as follows:—

Basic wage at the rate of £5 7s. 1d. per week.		Margin per week.	Rate per week.
		£ s. d.	£ s. d.
Horse-driver (one horse) ..	..	9 0	5 16 1
Horse-driver (two horses) ..	..	14 6	6 1 7
Motor-driver (vehicle not exceeding 25 cwt. capacity) ..	..	14 6	6 1 7
Motor-driver (vehicle exceeding 25 cwt. but not 3 tons capacity) ..	..	18 6	6 5 7
Motor-driver (vehicle exceeding 3 tons capacity) ..	..	1 2 6	6 9 7
Motor-driver's assistant ..	..	7 6	5 14 7
Quarryman ..	..	12 0	5 19 1
Powder monkey ..	..	18 0	6 5 1
Lime baggers ..	..	15 0	6 2 1
Loaders and helpers ..	..	9 0	5 16 1
Kiln hands ..	..	9 0	5 16 1
Kiln repairers ..	..	1 8 6	6 15 7
Lime crushers or sifters ..	..	15 0	6 2 1
Rock drill men ..	..	12 0	5 19 1
Wood cutters (engaged in cutting wood for lime burning) ..	..	9 0	5 16 1
Day firer (including finishing of kilns) ..	..	15 0	6 2 1
Night firer, per shift ..	..	8 10p.sft	1 8 6

Feeding Horses.—Any worker employed outside his ordinary working hours in feeding horses, shall be paid an allowance of ten shillings a week in addition to his ordinary wages.

Finishing off kilns.—Day workers engaged in finishing off kilns shall be paid an allowance of one shilling per kiln in addition to their ordinary rate of wages.

Piece work.—A worker working under any system of payment by result shall be paid at least the rate of pay he would have been entitled to under a contract of daily service.

#### Clause 5.—Overtime.

(a) All work done outside ordinary working hours shall be paid for at the rate of time and a half for the first two hours and double time thereafter.

(b) Except for night burners and horse feeders all work done on Sundays shall be paid for at double time rates. For night burners double time shall be paid between the hours of 6 p.m. on Saturday and 6 a.m. on Sunday. Burners employed between 6 p.m. Sunday and 6 a.m. on Monday shall be paid at ordinary time rates.

(c) If a worker who has been employed in the day-time is requested to continue and fire a kiln at night-time, during the time he is employed at night time he shall be paid at the rate of time and a quarter on night burner's rate.

#### Clause 6.—District Allowance.

Payments shall be made in accordance with the provisions contained in Schedule 1 annexed hereto so far as applicable.

#### Clause 7.—Tool Allowance.

A wood-cutter who supplies his own tools and files shall be paid an allowance of 7s. per week.

#### Clause 8.—Hours.

(a) Forty-four (44) hours shall constitute a week's work, to be worked on five and a-half days in each week. The starting time on every working day shall be 7.45 a.m. and the finishing time shall be 4.45 p.m. on each working day, except Saturday. On Saturday the finishing time shall be 11.45 a.m. Provided that the starting and finishing times may be varied by agreement in writing between any employer and the Union as long as the daily working hours do not exceed eight in any one day.

(b) Night firing shall be worked in one shift between the hours of 6 p.m. and 6 a.m., when required. One hour shall be allowed for meals, which shall be taken at a time suitable for the proper working of the kilns. Half shifts may be worked between the hours of 6 p.m. and 7 a.m. by mutual agreement between the employer and worker.

(c) Horse-driver.—Horse-drivers shall have their horses harnessed and hooked up to drays ready to commence work at the time appointed for other workers to commence, and unharnessed and in the stable at the usual finishing time of other workers.

(d) Motor-drivers.—Motor-drivers shall have their vehicles ready to commence work at the time appointed for other workers to commence and shall have them garaged at the usual finishing time.

#### Clause 9.—Holidays.

Each worker shall be granted twelve days holidays for each year of service. Should the period of employment be less than one year the worker shall be paid holiday pay in proportion as his length of service is to the whole year's employment. All work performed on Christmas Day, Good Friday, Easter Monday, or Labour Day shall be paid for at double time rates. All holidays due shall be taken at Christmas time, commencing on 24th December. Provided, however, that in the case of No. 3 and No. 4 districts a suitable roster shall be arranged between the employers and the employees.

#### Clause 10.—Payment for Sickness.

A worker shall be entitled to payment for non-attendance on the ground of personal ill-health for one half day for each completed month of service, provided that payment for absence through such ill-health shall be



limited to six days in each calendar year. Payment hereunder may be adjusted at the end of each calendar year, or at the time the worker leaves the service of the employer in the event of the worker being entitled by service subsequent to the sickness to a greater allowance than that made at the time the sickness occurred. This clause shall not apply where the worker is entitled to compensation under the Workers' Compensation Act.

#### Clause 11.—Pay Day.

Wages shall be paid in cash on Friday of each week between the hours of 3 p.m. and 5 p.m., except when Friday shall be a holiday, in which case the pay shall be distributed between the hours abovementioned on the next preceding working day; the wages shall be paid up to and inclusive of the day preceding pay day. Notwithstanding anything contained herein to the contrary in the case of No. 3 and No. 4 districts pay day shall be on Wednesday in every fourth week.

#### Clause 12.—Posting Award.

A copy of this Award shall be posted at every lime kiln, or works and kept in a legible condition during the currency of this Award. If foreign subjects who cannot read the English language are employed at the kiln, or works, a copy of the Award in a language that the foreign subject can understand shall be posted up.

#### Clause 13.—Time and Wages Book.

The employer shall keep and enter up, or cause to be kept and entered up, a book containing the name of each of his workers to whom this Award applies, the class of work performed by and the wages paid to each such worker, and the time during which each such worker is employed. Such book shall be signed by the worker and shall be open for inspection by any authorised representative of the Union during the daytime working hours.

#### Clause 14.—First Aid Equipment.

Adequate First Aid equipment shall be provided at all kilns and works.

#### Clause 15.—Hours of Cooling.

No kiln shall be broken into until eighteen hours after the last fire in winter and twenty-four hours after the last fire in summer. The winter months shall be from the fifteenth day of March to the fifteenth day of October (both inclusive). The summer months shall be from the sixteenth day of October to the fourteenth day of March (both inclusive).

#### Clause 16.—Hurricane Lamps and Kerosene.

Hurricane lamps shall be provided once in six months if required for the use of night burners. Sufficient kerosene oil to keep such lamp burning during the hours of darkness during his shift shall also be provided by the employer.

#### Clause 17.—Preference to Unionists

Should any worker be employed who at the time of his employment is not a member of the Australian Workers Union, Westralian Branch, Industrial Union of Workers, Perth, and who shall refuse within fourteen days of his engagement to become a member of such Union, then the employer shall dispense with the services of such worker, and shall not re-engage him until notified by the Secretary of the Union, that such worker has become a member of the Union. Provided that the Union shall not refuse to accept as member any worker who is eligible under the Rules of the Union to be a member of the Union, and who applies in the prescribed form to become a member.

#### Clause 18.—Definitions.

(a) In this Award, if not inconsistent with the context, "worker" shall include any person engaged as horse-driver or motor-driver working in or about a lime kiln, or on any necessary work in connection with the quarrying of limestone and sandstone and the production and distribution of lime or stone.

(b) "Horse-driver's or Motor-driver's Assistant" shall mean any worker employed to accompany a driver to assist in loading, unloading or delivering.

(c) "Loaders and Helpers" shall mean any worker who is engaged in assisting to load or unload any vehicle.

(d) "Kiln repairing" shall mean and include re-inserting brick or stone in a kiln with mortar.

#### Schedule 1.—District Allowance.

In addition to the wages prescribed in clause 4 of this Award the following allowance shall be paid for six (6) days per week to workers employed in the districts which are hereinafter respectively described with the exception of districts which are situated within a radius of ten (10) miles of the Kalgoorlie G.P.O.

(a) First District.—The area lying south and ten (10) miles north of the East-West Railway and east of the No. 1 Rabbit Proof Fence to a point one (1) mile east of Karonie. At the rate of 5/3 per week for those employed within ten (10) miles of a railway and 8s. per week for those employed outside.

(b) Second District.—Starting from a point ten (10) miles north of Burracoppin north-west to Talerang Peak thence south-east to a point ten (10) miles north-east of Laverton thence south to a point ten (10) miles north of Karonie.—At the rate of 7s. per week for those employed within ten (10) miles of a railway and 9s. per week for those employed outside.

(c) Third District.—Starting from a point one (1) mile east of Karonie taking in an area fifty (50) miles each side of the railway to a point one (1) mile east of Kitchener.—At the rate of 9s. per week for those employed within ten (10) miles of the railway and 12s. per week for those employed outside.

(d) Fourth District.—Starting from a point one (1) mile east of Kitchener taking in an area fifty (50) miles each side of the railway to a point one mile east of Deakin.—At the rate of 12s. per week for those employed within (10) ten miles of the railway and 15s. per week for those employed outside.

In the case of any District within the area to which this Award applies which is not dealt with under the provisions of this schedule the Union may apply to the Court at any time for the purpose of having an allowance prescribed upon serving on the employer concerned fourteen (14) days notice thereof prior to the date of such application.

#### Clause 19.—"Award" means Agreement.

Wherever the word "Award" appears herein it shall be deemed to mean Agreement.

In witness whereof the parties hereto have hereunto set their hands and seals the day and year first hereinbefore written.

The Common Seal of the  
Australian Workers'  
Union, Westralian Branch,  
Industrial Union of Workers  
was hereto affixed in  
the presence of—

[L.S.]

A. H. PANTON,  
President.

Signed for and on behalf of  
Kiesey Bros., in the pre-  
sence of B. William.

C. H. GOLDING,  
Secretary.

Kiesey Bros. Lime Supply,  
F. WATSON.

#### DALGETY AND COMPANY, LIMITED.

Register of Unclaimed Moneys held by Dalgety and Company, Limited.

Name and last known Address, Total Amount due to Owner, Description of Unclaimed Money, Date of Last Claim.

Brown, D. M., address unknown; £13 7s. 4d.; balance of account; 3/8/38.

Dalgety and Company, Limited,

P. R. ORR, Sub-Manager.

Perth, 18th January, 1945.

## WESTERN AUSTRALIAN GOVERNMENT RAILWAYS.

IT is notified for general information, that with the approval of the Minister, as required by section 22 of the Government Railways Act, 1904-1933, the following alterations and additions have been made to the scales of charges now appearing in the Goods Rates Book, dated 1st March, 1935.

## Goods Rates Book.

Page 19: from 8/12/44.—Packed goods—Paragraph 39.—Add:—Goods contained in paper wrapped parcels will be accepted only at the "Owner's risk." Cartons containing goods must conform to the following, otherwise they will be accepted only at the "Owner's risk":—Construction to be of double walled corrugated fibre or solid fibreboard in sound order free from defects. All flaps and joints shall be sealed with adhesive tape or strips of strong gummed brown paper.

Page 40: from 15/12/44.—Manures—Delete:—Muriate of potash, subclause (iii), when sent to a fertiliser works for manufacture of manures.

Page 41: from 15/12/44.—Delete:—"Muriate of potash—see under manures." Insert:—Muriate of potash when railed direct to consumer for use as manure (see "Manure"). Muriate of potash, N.O.S.—Class "M."

Page 165: from 15/12/44.—Shunting charges.—Insert:—Messrs. A. T. Brine & Sons, Ltd., sublease of portion of siding leading to Messrs. Elder Smith & Coy's skin store off Fremantle yard. Shunting charges, local 1s. 6d. per ton; minimum 4 tons. Through 2s. and 4s. per four and eight-wheeled wagon.

J. A. ELLIS, Commissioner of Railways.

9th January, 1945.

## THE COMPANIES ACT, 1893.

Cyclone Company of Australia Proprietary, Limited.

NOTICE is hereby given that the Registered Office in Western Australia of Cyclone Company of Australia Proprietary, Limited, is situated at the corner of Brown and Lime streets, East Perth, and that Keith Alan Gentles is the duly appointed Attorney for the Company.

Dated this 15th day of January, 1945.

K. A. GENTLES, Attorney.

## IN THE SUPREME COURT OF WESTERN AUSTRALIA—PROBATE JURISDICTION.

In the matter of the Will of George Gustav Rosenstein, late of 8 Hillview road, Mount Lawley, in the State of Western Australia, Medical Practitioner and Radiologist, deceased.

NOTICE is hereby given that all creditors and other persons having claims or demands against the Estate of the abovenamed George Gustav Rosenstein, deceased, are required to send particulars thereof in writing to Eva Rosenstein, the Executrix of the Will of the said deceased, c/o Stone, James & Co., of 47 St. George's terrace, Perth, Solicitors, on or before the 26th day of February, 1945, after which date the Executrix will proceed to distribute the assets of the deceased among the persons entitled thereto, having regard only to the claims and demands of which she shall then have had notice.

Dated the 18th day of January, 1945.

STONE, JAMES & CO., 47 St. George's terrace, Solicitors for the Executrix.

## IN THE SUPREME COURT OF WESTERN AUSTRALIA—PROBATE JURISDICTION.

In the matter of the Will of Harry Savage, late of Lukin street, Beverley, in the State of Western Australia, Pensioner, deceased.

NOTICE is hereby given that all creditors and other persons having claims or demands against the Estate of the abovenamed deceased are requested to send particulars thereof in writing to the Executor, Thomas John Hughes, care of Hughes & Brockman of 201-204 C.M.L. Buildings, St. George's terrace, Perth, in the said State, Solicitors, on or before the 26th day of February, 1945, after which date the said Executor will distribute the assets of the said deceased amongst the persons entitled thereto, having regard only to the claims and demands of which he shall then have had notice.

Dated this 24th day of January, 1945.

HUGHES & BROCKMAN, Solicitors for the Executor.

## IN THE SUPREME COURT OF WESTERN AUSTRALIA—PROBATE JURISDICTION.

In the matter of the Will of Reginald James Sangster, formerly of York street, Albany, in the State of Western Australia, and of Irwin Court in the said State, Accountant, but late of 191 Central avenue, Inglewood, in the said State, Clerk, deceased.

NOTICE is hereby given that all creditors and other persons having claims or demands against the Estate of the abovenamed deceased are requested to send particulars thereof in writing to the Executor, The West Australian Trustee, Executor and Agency Company, Limited, of 135 St. George's terrace, Perth, on or before the 26th day of February, 1945, after which date the Executor will proceed to distribute the assets of the said deceased amongst the persons entitled thereto, having regard only to the claims and demands of which it shall then have had notice.

Dated the 23rd day of January, 1945.

ACKLAND & WATKINS, Perpetual Trustee Buildings, 89 St. George's terrace, Perth, Solicitors for the Executor.

## IN THE SUPREME COURT OF WESTERN AUSTRALIA—PROBATE JURISDICTION.

In the matter of the Will of Charlotte Elizabeth Vigers Shenton, late of "Windermere," Suburban road, South Perth, in the State of Western Australia, Widow, deceased.

NOTICE is hereby given that all creditors and other persons having claims or demands against the Estate of the abovenamed deceased are requested to send particulars thereof in writing to the Executor, The West Australian Trustee, Executor and Agency Company, Limited, of 135 St. George's terrace, Perth, on or before the 26th day of February, 1945, after which date the Executor will proceed to distribute the assets of the said deceased amongst the persons entitled thereto, having regard only to the claims and demands of which it shall then have had notice.

Dated the 24th day of January, 1945.

PARKER & PARKER, 21 Howard street, Perth, Solicitors for the Executor.

## IN THE SUPREME COURT OF WESTERN AUSTRALIA—PROBATE JURISDICTION.

In the matter of the Will of Albert Heinrich Pries, late of Busselton, in the State of Western Australia, Property Owner, deceased.

NOTICE is hereby given that all creditors and other persons having claims or demands against the Estate of the abovenamed deceased are requested to send particu-

lars thereof in writing to the Executor, Harold Maughan Pullin, care of Lohrmann & Tindal, of 89 St. George's terrace, Perth, in the said State, Solicitors, on or before the 26th day of February, 1945, after which date the said Executor will distribute the assets of the said deceased amongst the persons entitled thereto, having regard only to the claims and demands of which he shall then have had notice.

Dated this 25th day of January, 1945.

LOHRMANN & TINDAL, Perpetual Trustee Buildings,  
89 St. George's terrace, Perth, Solicitors for the  
Executor.

#### NOTICE TO CREDITORS AND CLAIMANTS.

In the Supreme Court of Western Australia, Probate  
Jurisdiction.

NOTICE is hereby given that all persons having claims or demands against the Estates of the undermentioned deceased persons are hereby required to send particulars of such claims or demands to me in writing on or before the 28th day of February, 1945, after which date I will proceed to distribute the assets of the said deceased persons among those entitled thereto, having regard only to those claims or demands of which I shall then have had notice.

Dated at Perth the 25th day of January, 1945.

J. H. GLYNN, Public Trustee.

Public Trust Office, Supreme Court Buildings, Perth,  
Western Australia.

Name, Occupation, Address, Date of Death.

Boyd, Frederick Esmund; Gentleman and railway employee; formerly of 406 Beaufort street, Highgate Hill, but late of 31 North street, Swanbourne; 24/10/44.

Stewart, William; formerly Farmer but late labourer; formerly of Pithara but late of Warbrook via Bullsbrook; 3/8/44.

Smith, Marguerite Janet; Widow; late of Traylen road, Bayswater; 6/2/42.

Peloza, Matteo; Farm labourer; late of Bridgetown; 24/9/44.

Sutherland, William Alexander; Retired farmer; late of 32 Anzac terrace, Bassendean; 3/4/44.

Rebbechi, Jane; Married woman; late of Paddington via Broad Arrow; 17/9/44.

Hobby, Annie Florance Vera Vivian (also known as Annie Florence Vera Vivian Hobby); Widow; formerly of Park road, Kenwick, but late of 34 Zenobia street, Palmyra; 19/6/44.

Bradley, Edith Mary Honor; Widow; late of 346 Bagot road, Subiaco; 1/10/44.

Campbell, Colin Blair; Warrant Officer; formerly of 77 Morrison road, Midland Junction, clerk, but late (No. 406431) of the Royal Australian Air Force; 15/8/43.

Mooney, Alfred James; Slaughterman; late of 35 Rushton road, Victoria Park; 23/4/44.

Ricchezza, Luigi; Labourer; late of 208 Brisbane street, Perth; 24/9/44.

Roddy, Peter Cranley; Farmer; formerly of Nukarni, but late of Nokaning; 26/3/44.

Howard, Robert; Retired railway employee and pensioner; late of 8 Forrest street, Boulder City; 16/8/44.

Carrett, George Teddington; Farm labourer and engine driver; late of Babakin; 6/10/44.

Butcher, Frances Elizabeth (usually known as Jean Butcher); Married woman; late of 128 Marmion street, East Fremantle; 12/11/44.

Woolcock, Frederick John; Labourer and pensioner; late of 76 Whitfield street, Bassendean; 21/2/44.

Clunas, Eric Clark; Flight sergeant; formerly of 3 Blackford street, Mount Hawthorn, Railway employee, but late a member (No. 415764) of the Royal Australian Air Force; 21/1/44.

Bell, Samuel Parker (also known as Samuel Bell); Poultry farmer; formerly of 20 Dangan street, Perth, Caretaker, but late of Wandourri road, Cannington; 11/10/44.

Jones, Clara; Married woman; late of 96 Archdeacon street, Nedlands; 24/11/44.

#### THE PUBLIC TRUSTEE ACT, 1941.

NOTICE is hereby given that pursuant to section 14 of the Public Trustee Act, 1941, the Public Trustee has elected to administer the Estate of the undermentioned deceased person.

Dated at Perth the 25th day of January, 1945.

J. H. GLYNN, Public Trustee, Supreme Court Building,  
Perth.

Name of Deceased, Occupation, Address, Date of Death,  
Date Election Filed.

Smith, Marguerite Janet; Widow, late of Traylen road, Bayswater; 6th February, 1942; 24th January, 1945.

#### ACTS OF PARLIAMENT, ETC., FOR SALE AT GOVERNMENT PRINTING OFFICE.

	£	s.	d.
Abattoirs Act and Amendment .. .. .	0	1	0
Administration Act (Consolidated) .. .. .	0	2	6
Adoption of Children Act .. .. .	0	0	6
Agricultural Bank Act .. .. .	0	1	0
Agricultural Seeds Act .. .. .	0	1	0
Arbitration Act .. .. .	0	1	0
Associations Incorporation Act .. .. .	0	0	6
Auctioneers Act .. .. .	0	0	9
Bills of Sale Act (Consolidated) and Amend- ment .. .. .	0	2	0
Brands Act .. .. .	0	1	6
Bread Act (Consolidated) and Amendment .. .. .	0	1	6
Bush Fires Act (Consolidated) .. .. .	0	1	6
Carriers Act .. .. .	0	0	6
Child Welfare Act .. .. .	0	2	6
Companies Act .. .. .	0	4	6
Crown Suits Act .. .. .	0	1	6
Dairy Cattle Improvement Act .. .. .	0	1	0
Dairy Industry Act .. .. .	0	2	0
Dairy Products Marketing Regulation Act .. .. .	0	2	0
Declarations and Attestations Act .. .. .	0	0	6
Dentists Act and Amendment .. .. .	0	1	6
Discharged Soldiers' Settlement Act .. .. .	0	1	6
Dog Act (Consolidated) .. .. .	0	1	0
Dried Fruits Act .. .. .	0	1	6
Droving Act .. .. .	0	1	0
Drugs (Police Offences) Act .. .. .	0	1	0
Egg Marketing Act .. .. .	0	1	0
Electoral Act (Consolidated) .. .. .	0	2	6
Electricity Act .. .. .	0	1	0
Employers' Liability Act .. .. .	0	0	6
Employment Brokers Act and Amendment .. .. .	0	1	0
Evidence Act (Consolidated) .. .. .	0	2	0
Factories and Shops Act (Consolidated) .. .. .	0	4	0
Factories and Shops Act Regulations .. .. .	0	1	0
Factories and Shops Time and Wages Books— Large .. .. .	0	4	3
Small .. .. .	0	3	3
Farmers' Debts Adjustment Act (Consoli- dated) .. .. .	0	1	0
Feeding Stuffs Act .. .. .	0	1	6
Fertilisers Act .. .. .	0	1	0
Financial Emergency Act .. .. .	0	1	6
Financial Emergency Tax Assessment Act .. .. .	0	2	0
Firearms and Guns Act (Consolidated) .. .. .	0	1	0
Fire Brigades Act .. .. .	0	1	6
Firms Registration Act and Amendment .. .. .	0	1	6
Fisheries Act (Consolidated) .. .. .	0	1	6
Forests Act .. .. .	0	1	6
Fremantle Harbour Trust Act (Consolidated) .. .. .	0	1	6
Friendly Societies Act and Amendments .. .. .	0	2	0
Game Act (Consolidated) .. .. .	0	1	0
Gold Buyers Act and Regulations .. .. .	0	2	0
Goldfields Water Supply Act .. .. .	0	2	6
Gold Mining Profits Tax and Assessment .. .. .	0	1	0
Government Electric Works Act .. .. .	0	1	0
Group Settlement Act .. .. .	0	1	3
Hawkers and Pedlars Act and Amendment .. .. .	0	1	0
Health Act (Consolidated) .. .. .	0	5	0
Hire Purchase Agreement Act (Consolidated) .. .. .	0	0	6
Hospital Fund Act .. .. .	0	1	0
Hospitals Act .. .. .	0	1	0
Illicit Sale of Liquor Act .. .. .	0	0	6
Income Tax Assessment Act .. .. .	0	5	0
Industrial Arbitration Act (Consolidated) .. .. .	0	3	0
Industrial Arbitration Regulations .. .. .	0	2	6
Industries Assistance Act (Consolidated) .. .. .	0	1	0
Inebriates Act .. .. .	0	0	6
Infants, Guardianship of, Act .. .. .	0	1	0
Inspection of Machinery Act with Regulations .. .. .	0	2	6

Acts of Parliament, etc.—*continued.*

	£	s.	d.
Inspection of Scaffolding Act (Consolidated)	0	1	6
Interpretation Act .. .. .	0	2	0
Irrigation and Rights in Water Act .. .. .	0	1	6
Justices Act (Consolidated) .. .. .	0	3	0
Land Act and Regulations .. .. .	0	4	6
Land Agents Act and Amendment .. .. .	0	1	0
Land Drainage Act .. .. .	0	2	6
Legal Practitioners Act (Consolidated) .. .. .	0	1	0
Legitimation Act .. .. .	0	1	6
Licensed Surveyors Act .. .. .	0	1	0
Licensing Act and Amendments .. .. .	0	4	0
Life Assurance Act (Consolidated) .. .. .	0	1	6
Limitation Act .. .. .	0	1	0
Limited Partnerships Act .. .. .	0	0	6
Lotteries (Control) Act .. .. .	0	2	0
Lunacy Act (Consolidated) .. .. .	0	2	0
Main Roads Act .. .. .	0	1	0
Marine Stores Dealers Act .. .. .	0	1	0
Marriage Act .. .. .	0	2	0
Married Women's Property Act (Consolidated) .. .. .	0	1	0
Married Women's Protection Act (Consolidated) .. .. .	0	0	6
Masters and Servants Act .. .. .	0	1	0
Medical Practitioners Act .. .. .	0	0	9
Metropolitan Milk Act (Consolidated) .. .. .	0	1	6
Metropolitan Water Supply, Sewerage, and Drainage Act .. .. .	0	2	0
Mines Regulation Act .. .. .	0	1	9
Mine Workers' Relief Fund Act and Regulations .. .. .	0	2	6
Mining Act .. .. .	0	2	0
Mining Development Act .. .. .	0	1	6
Money Lenders Act (Consolidated) .. .. .	0	1	6
Municipal Corporations Act (Consolidated) .. .. .	0	5	0
Native Administration Act .. .. .	0	2	0
Native Flora Protection Act .. .. .	0	1	0
Notaries Act .. .. .	0	0	6
Noxious Weeds Act .. .. .	0	1	0
Nurses Registration Act .. .. .	0	0	6
Partnership Act .. .. .	0	1	0
Pawnbrokers Act (Consolidated) .. .. .	0	1	0
Pearling Act (Consolidated) .. .. .	0	2	0
Petroleum Act .. .. .	0	3	0
Pharmacy and Poisons Act (Consolidated) .. .. .	0	2	0
Plant Diseases Act .. .. .	0	0	9
Police Code Compilation .. .. .	1	10	0
Powers of Attorney Act .. .. .	0	0	6
Prevention of Cruelty to Animals Act .. .. .	0	1	0
Prisons Act (Consolidated) .. .. .	0	1	6
Public Service Act (Consolidated) .. .. .	0	1	6
Public Works Act and Amendment .. .. .	0	2	6
Purchasers' Protection Act .. .. .	0	0	9
Road Districts Act (Consolidated) .. .. .	0	5	0
Sale of Goods Act .. .. .	0	1	0
Second-hand Dealers Act .. .. .	0	0	6
Stamp Act (Consolidated) .. .. .	0	3	0
State Government Insurance Act .. .. .	0	0	6
State Manufacturers Description Act .. .. .	0	0	6
State Trading Concerns Act .. .. .	0	1	6
State Transport Co-ordination Act .. .. .	0	1	6
Statistics Act .. .. .	0	0	6
Superannuation and Family Benefits Act .. .. .	0	2	6
Supreme Court Act .. .. .	0	3	6
Supreme Court Rules .. .. .	1	5	0
Tenants, Purchasers, and Mortgagors' Relief Act .. .. .	0	2	0

Acts of Parliament, etc.—*continued.*

	£	s.	d.
Timber Industry Regulation Act and Regulations .. .. .	0	2	6
Totalisator Act and Amendment .. .. .	0	2	6
Town Planning and Development Act .. .. .	0	1	0
Trades Descriptions Act .. .. .	0	1	0
Trade Unions Act .. .. .	0	1	6
Traffic Act (Consolidated) and Regulations .. .. .	0	6	0
Tramways Act, Government .. .. .	0	0	6
Trespass, Fencing and Impounding Act and Amendment .. .. .	0	1	6
Truck Act and Amendment .. .. .	0	1	6
Trustees Act .. .. .	0	1	6
Unclaimed Moneys Act .. .. .	0	1	0
Vermin Act (Consolidated) .. .. .	0	2	0
Veterinary Act .. .. .	0	1	6
Water Boards Act .. .. .	0	2	6
Weights and Measures Act and Regulations .. .. .	0	2	6
Wheat Pool Act .. .. .	0	1	0
Wheat Products (Prices Fixation) Act .. .. .	0	1	0
Workers' Compensation Act .. .. .	0	2	0
Workers' Homes Act (Consolidated) .. .. .	0	1	6
Workmen's Wages Act .. .. .	0	1	6
Year Book, Pocket .. .. .	0	0	6

*Postage Extra.*

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