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CONTENTS:

Note.—Throughout this *Gazette* the names in Italics within parentheses are those of Communicators of Inventions.

Complete Specifications.

Patent Office, Perth,
4th September, 1903.

NOTICE is hereby given that the undermentioned Applications for the Grant of Letters Patent, and the complete Specifications annexed thereto, have been *accepted*, and are now open to public inspection at this Office.

Any person or persons intending to oppose such applications must leave particulars, in writing, in duplicate (on Form D), of his or their objections thereto, within two calendar months from the date of this *Gazette*. A fee of Ten shillings (10s.) is payable with such notice.

Application No. 4554.—GEORGE TINNISWOOD SHILTON and ALBERT SCHULTZE, of Greymouth, Westland, in the Colony of New Zealand, Watchmaker and Engineer respectively, "*Improvements in Pneumatic Tyre Covers.*" —Dated 13th August, 1903.

Claims :—

1. A cover for pneumatic tyres and the like, the same consisting of a band of canvas or fabric with wearing surfaces of rubber on both sides thereof, the whole being vulcanised together to form one mass, substantially as specified.
2. A cover for pneumatic tyres and the like, the same consisting of a band of canvas or fabric with wearing surfaces of rubber on both sides thereof, the whole being vulcanised together to form one mass, and means whereby the cover may be held in position upon the wheel rim, substantially as specified.
3. In covers for pneumatic tyres, a base of canvas or fabric with wearing surfaces of rubber on both sides, small tubes of vulcanised rubber secured to both edges of the canvas or fabric and extending throughout the circumference of the cover, and endless wires loosely threaded through the tubes, substantially as specified.

Specification, 3s. Drawings on application.

Application No. 4565.—DAVID ALEXANDER POE, Manager, and WILLIAM HERMANN SCHARF, Superintendent, both of the City and District of Montreal, Province of Quebec, and Dominion of Canada, "*Linotype Machine.*" —Dated 20th August, 1903.

Claims :—

1. In a linotype machine, a matrix line assembler arranged to turn to and fro about a vertical axis, whereby it is adapted to receive the matrices in one direction and to deliver them in a different direction.
2. In a linotype machine, the combination of a horizontal oscillating assembler, means for delivering the line of matrices to the assembler in one of its positions, means for receiving the line of matrices from the assembler, when the latter is in a second position and supporting it, and means for effecting the discharge of the line in said support.
3. In a linotype machine, the combination with means for successively delivering matrices, of an assembler mounted to turn about a vertical axis, a line support arranged to receive the matrices from the assembler when the latter is turned at an angle to its receiving position, and a slide mounted in the assembler for the double purpose of resisting the matrices during the composition of the line and of discharging the composed line to the support.
4. In a linotype machine, the combination with an assembler adapted to turn to and fro, means to turn the said assembler and means to lock the assembler in the positions to which it is turned.
5. In a linotype machine, the combination with means for successively delivering matrices, of an assembler mounted to turn about a vertical axis and provided with a longitudinally sliding upper portion, to interlock with the frame, whereby alignment of the parts is maintained during the composition of the line.
6. In a linotype machine and in combination with a line support a horizontally turning assembler, having its upper portion arranged to slide endwise, whereby it is adapted to interlock with the line support.
7. In a linotype machine, means for delivering the matrices in a vertical plane to the line, means for casting from the composed line arranged in a plane at an angle to the first plane, means for turning the assembled line from the first plane to the second, and means for transferring the line, after it has been turned, to the casting mechanism.
8. In a linotype machine, an assembler mounted to turn on an axis from a receiving to a discharging position, means for delivering the matrices into the assembler through one end thereof, and means for discharging the composed line out of the same end of the assembler to the casting mechanism.
9. In a linotype machine, an assembler having an open end, substantially as described, to permit the introduction of the matrices in the direction of the length of the line, and the removal of the composed line in a reverse direction through the open end, said assembler being mounted to turn on an axis at right angles to the length of the line, substantially as and for the purpose specified.
10. In a linotype machine, in combination with mechanism for delivering the matrices successively thereto, and mechanism for receiving the composed line therefrom, an intermediate turning assembler, a slide therein to effect the discharge of the composed line after the assembler is turned, and mechanism for actuating said slide.
11. In a linotype machine, the combination of an assembler, adapted to turn from a receiving to a discharging position, a discharging slide therein, means for supporting the matrix line when discharged, a reciprocating bar, and means for connecting said bar to the discharging slide, whereby the delivery of the line from the assembler to the support is effected.
12. In a linotype machine, an assembler adapted to turn and having a sliding upper portion to carry the matrices, in combination with a connecting and operating lever.
13. In a linotype machine, the combination with the pivoted vibrating assembler E, the lever *e*3 and a co-operating member *e*5 whereby the assembler is locked in position.
14. In a linotype machine the combination with the assembler E, the slide therein, the power-driven bar *e*16, and the pawl on the assembler slide to engage said bar.
15. In a linotype machine, the combination with the assembler, the slide therein, its pawl *e*15, and the actuating bar *e*16, arranged to engage the pawl in different positions, whereby compensation is made for variation in the length of the matrix line.
16. In a linotype machine the combination with the assembler of a support arranged to receive the matrix line therefrom, devices to effect the transfer of the line, and a movable stop to arrest the advance of the transfer devices.
17. In a linotype machine the combination with an assembler, adapted to turn, of a support to receive the matrix line from the assembler, means for effecting the transfer of the line, and a stop, controlled in its position by the assembler, whereby the accidental transfer of the line beyond the casting point is prevented.
18. In a linotype machine and in combination with the assembler, a support to receive the matrix line therefrom, a spring-actuated mechanism to effect the transfer of the line, and a locking device for said mechanism, controlled by the assembler, whereby the action of the transfer devices is prevented until the assembler is adjusted in proper relation to the line support.
19. In a linotype machine and in combination with the assembler E, a support G to receive the composed line of matrices therefrom, a spring-actuated lever *e*18 and devices connected therewith to effect the transfer of the line from the assembler to the support, a locking device *e*27 to prevent the movement of said lever, and a connection *e*28, whereby the assembler is enabled to release the lever and transfer devices.
20. In a linotype machine the turning assembler E and the slide therein to expel the matrix line, in combination with the actuating bar, *e*16, the pawl for connecting the slide with said bar, and a manual device, as *e*22, for disengaging the pawl.
21. In a linotype machine, in combination with an assembler to which the matrices are successively delivered, a slide serving the double purpose of resisting the incoming matrices and of expelling the composed line.
22. In a linotype machine the combination of a source of supply for matrices, a separate source of supply for spacers, means for releasing said matrices and spacers successively at the will of the operator, means

for assembling said released matrices and spacers into a line of predetermined length, said last-mentioned means being mounted to turn on an axis at right angles to the length of the line, substantially as and for the purpose set forth.

23. In a linotype machine the combination of a source of supply for matrices, a separate source of supply for spacers, means for releasing said matrices and spacers successively at the will of the operator, means for assembling said released matrices and spaces into a line of predetermined length, means for changing the position of the assembled line in relation to the plane of assemblage or the plane of composition, and means for moving said line in its changed position to the casting mechanism.

24. In a linotype machine, the combination with means for assembling the matrices and space bars and with means for casting a type bar or slug from the assembled line, of a movable slide having the dual functions, viz.: of uniting with the carriage of the assembling means for the purpose of carrying the assembled line to the casting mechanism and of removing the assembled line after the casting operation has been finished from the aligning channel so that the line may be divided whereby the matrices and spacers may be returned to their respective magazines.

25. In a linotype machine, the combination of a magazine for matrices, a magazine for spacers, means for releasing said matrices and spacers successively at the will of the operator, a movable assembler for receiving and assembling the released matrices and spacers into a line of predetermined length, means for casting a type bar or slug from the assembled line, means mounted to turn on an axis at right angles to the length of line and adapted to be operated at will for turning the assembler from the receiving position in order to present it to the casting mechanism.

26. In a linotype machine, the combination of a magazine for matrices, a magazine for spacers, means for releasing said matrices and spacers successively at the will of the operator, a movable assembler for receiving and assembling the released matrices and spacers into a line of predetermined length, means for casting a type bar or slug from the assembled line, means mounted to turn on an axis at right angles to the length of the line and adapted to be operated at will for turning the assembler from the receiving position in order to present it to the casting mechanism and means for locking the assembler in its changed position.

27. In a linotype machine, the combination with a magazine for matrices, a magazine for spacers, means for releasing said matrices and spacers successively at the will of the operator, a movable assembler for receiving and assembling the released matrices and spacers into a line of predetermined length, means for casting a type bar or slug from the assembled line, means adapted to be operated at will for turning the assembler from the receiving position in order to present it to the casting mechanism and for returning the assembler to its original position and means for locking the assembler in the positions to which it is turned.

28. In a linotype machine, the combination of a magazine for matrices, a magazine for spacers, means for releasing said matrices and spacers successively at the will of the operator, a movable assembler for receiving and assembling the released matrices and spacers into a line of predetermined length, means for casting a type bar or slug from the assembled line, means adapted to be operated at will for turning the assembler from the receiving position in order to present it to the casting mechanism and a device adapted to be actuated at the will of the operator whereby the assembled line is discharged from the assembler into its position in front of the mold of the casting mechanism.

29. In a linotype machine, the combination of a magazine for matrices, a magazine for spacers, means for releasing said matrices and spacers successively at the will of the operator, a movable assembler for receiving and assembling the released matrices and spacers into a line of predetermined length, means for casting a type bar or slug from the assembled line, means adapted to be operated at will for turning the assembler from the receiving position in order to present it to the casting mechanism, a device adapted to be actuated at the will of the operator whereby the assembled line is discharged from the assembler into its position in front of the mold of the casting mechanism, and aligning mechanism, justifying mechanism, ejecting mechanism, trimming mechanism and transferring mechanism, the operations of said aligning mechanism, justifying mechanism, casting mechanism, ejecting mechanism, trimming mechanism and transferring mechanism being automatic.

30. In a linotype machine the combination of a magazine for matrices, a magazine for spacers, means for releasing said matrices and spacers successively at the will of the operator, a turning assembler for receiving and assembling the released matrices and spacers into a line of predetermined length, means for casting a type bar or slug from the assembled line, means for turning the assembler from the receiving position in order to present it to the casting mechanism and means for discharging the assembled line from the assembler into its position in front of the mold of the casting mechanism.

31. In a linotype machine, the combination of a magazine for matrices, a magazine for spacers, means for releasing said matrices and spacers successively at the will of the operator, a movable assembler for receiving and assembling the released matrices and spacers into a line of predetermined length, means for casting a type-bar or slug from the assembled line, means adapted to be operated at will for turning the assembler from the receiving position in order to present it to the casting mechanism, a device adapted to be actuated at the will of the operator whereby the assembled line is discharged from the assembler into its position in front of the mold of the casting mechanism, and aligning mechanism, justifying mechanism, ejecting mechanism, trimming mechanism and transferring mechanism, the operations of said aligning mechanism, justifying mechanism, casting mechanism, trimming mechanism, ejecting mechanism and transferring mechanism being automatic, and the automatic operation of the said several mechanisms occurring in consecutive order after the discharge of the line from the assembler to its position in front of the mold as hereinbefore described.

32. In a linotype machine, the combination with the driving mechanism for the keyboard mechanism and the assembling devices and the distributing mechanism all adapted to be operated constantly, of aligning, justifying, casting, ejecting and transferring mechanisms, all adapted to be operated intermittently and automatically after the discharge of the line from the assembler to its position in front of the mold.

33. In a linotype machine, the combination of a movable assembler, means for supporting the line arranged to receive the assembled matrices therefrom, a movable finger and means for moving said finger horizontally and vertically whereby it is caused to confine the incoming line at the front and subsequently to act behind the line and carry the same out of the support.

34. In a linotype machine, the combination of an assembler E, a slide therein to expel the composed line, a power-driven actuating bar *e*16, a pawl *e*15, to connect the slide with said bar, a latch to hold the pawl out of engagement, and a manual device for disengaging the pawl, whereby connection is established between the slide and the actuating bar.

35. In a linotype machine, an assembler wherein the matrices are successively received and aligned, a slide therein to resist the incoming matrices and subsequently expel the completed line, and a dash-pot connected to said slide to control its speed.

36. In a linotype machine, the line support and a movable assembler arranged to align with said support to deliver the matrices thereto, in combination with a slide to expel the matrices from the assembler, and a sliding bar provided with a vertically moving finger, for the double purpose of confining the incoming line and delivering the line subsequent to the casting operation.

37. In a linotype machine, the horizontally movable assembler, the line support G arranged to receive the assembled matrices therefrom, the finger I, and means for moving said finger horizontally and vertically, as described, whereby it is caused to confine the incoming line at the front and subsequently to act behind the line and carry the same out of the support.

38. In a linotype machine and in connection with a support G for sustaining the matrix line before the mold, the reciprocating bar or slide *e*16, the vertically moving finger I carried thereby, and the switch *g*4, whereby the finger is caused to pass backward over the line.

39. In a linotype machine and in combination with a mold movable to and from the composed line of matrices, a line support fixed against horizontal motion and open at both ends, means for carrying the composed line into the support from one end, and means for delivering the line from the support at the opposite end, subsequent to the casting action.

40. In a linotype machine, the combination of a pot, movable to and from the mold, a mold, movable to and from the matrix line and having lips to embrace the line, a line support, fixed against horizontal motion and open at both ends, and means for introducing the composed line to the support from one end and delivering it from the opposite end.

41. In a linotype machine, a line support, having vertical movements only, in combination with a mold, movable to and from the support to co-operate with the matrix line therein, means for introducing the line of matrices to the support in one direction, and means for continuing the movement of the line to deliver it from the support.

42. In a linotype machine, a vertically movable support for the matrix line, in combination with a lifting spring and a depressing device, whereby the spring is caused to align the ears of the contained matrices with yielding pressure against the mold and means for depressing the support whereby the matrices are positively relieved from pressure against the mold.

43. In a linotype machine, the combination of a vertically movable line support, a vertically movable justifying bar and a lever arranged to operate both the said parts.

44. The combination of the bar J, the actuating lever *j*1, arranged to raise and lower said bar, the vertically movable line support G, looseiy engaging the lever to be depressed thereby, and a spring g^2, acting to lift the line support.

45. In a linotype machine, a matrix support fixed against horizontal motion and means for introducing the composed line endwise into said support, in combination with a horizontally movable mold, having end lips to embrace the matrix line.

46. In a linotype machine, means for advancing a composed line of matrices endwise, first to the casting position, and thereafter in the same line to a point beyond the casting position, in combination with a co-operating mold, movable to and from the matrix line and having end lips to embrace the latter, whereby the confinement of the line endwise is effected without the movement of the line for the purpose.

47. In a linotype machine, in combination with a horizontal support and guide for sustaining the line of matrices and spacers, means for delivering the line endwise therefrom, and independent means for receiving and carrying away the matrices and spacers respectively.

48. In a linotype machine, means for sustaining the line before the mold, means for delivering the line endwise therefrom, a movable elevator or carrier to receive and engage the matrices when so delivered, and a spacer carrier arranged to receive the spacers at the same time.

49. In a linotype machine, the combination of a line support, an elevator to receive and transfer the matrices, a carrier to receive and transfer the spacers, and means for imparting differential motion to the elevator and carrier, whereby the matrices and spacers are separated and thereafter transferred.

50. In a linotype machine the combination with the matrix line support, of a spacer carrier, arranged to close against the end of said support, a matrix elevator arranged to close above the carrier, and means for pushing the matrix line endwise out of the support, so that the matrices may engage the elevator and the spacers be engaged in the carrier.

51. In a linotype machine, the combinatian of a line support, a carrier to receive and sustain the spacers when delivered from the support, means for delivering the spacers from the support to the carrier, a magazine for the spacers, and mechanism for moving the carrier from the support to the magazine and *vice versa*, whereby the return of the spacers after use to their magazine is effected.

52. In a linotype machine the combination with a spacer carrier, of sustaining arms mounted to turn about different centres and also to move vertically, whereby the spacers are received in any one direction from the line and delivered in a different direction to their magazine.

53. In a linotype machine, an elevator adapted to sustain the composed line of matrices, in combination with a twisted guide therefor, whereby the line is turned during its transportation.

54. In a linotype machine, the combination of a matrix line support and means for delivering the line endwise therefrom, a distributing mechanism arranged to receive the matrix line in a direction angular to that in which it is delivered from the support, and an intermediate elevator or carrier adapted to receive the line from the support and transfer it with a turning motion to the distributing mechanism.

55. In a linotype machine, mechanism for assembling the matrices and mechanism for distributing the matrices in parallel lines, in combination with an intermediate casting mechanism arranged at an angle thereto, means for turning the assembled line of matrices for presentation to the casting mechanism, means for discharging the assembled line in front of the casting mechanism, and means for receiving the line from the casting mechanism and turning the same for presentation to the distributing mechanism.

56. In a linotype machine the combination of an assembler mechanism, a distributing mechanism parallel therewith, a casting mechanism arranged at an angle thereto, means for turning the matrix line in one direction for presentation to the casting mechanism, and means for turning the line in the reverse direction for presentation to the distributing mechanism, whereby the matrices are caused to face at all times in the proper direction.

57. In combination with the carrier V the supporting arms *v* and *v*1 arranged to swing about different centres, a gear connecting them, and a shaft *v*3, having rotary and longitudinal movements.

58. In combination with the matrix elevator W, its twisted guide *w*, the flexible lifting connection *w*3, and means for operating the same.

59. In a linotype machine in combination with a matrix elevator and the twisted guide whereon it slides, an operating lever and a lifting frame having its ends connected respectively to the elevator and the lever extended around intermediate guides whereby the motion of the lever is multiplied and a long movement imparted to the elevator.

60. In a linotype machine the combination with the mold supporting arm and its supporting shelf, of the pitman, its operating crank, and a stop motion gear for imparting an intermitting oscillation to the mold.

61. In a linotype machine the combination with a mold-carrying arm, of its shaft mounted to slide axially, the rocking frame for sliding the shaft, the cam for actuating the same, and the intermediate spring through which yielding pressure is applied to the mold.

62. In a linotype machine the combination with the sliding ejector, of the link and lever for advancing the same, the rotary driving crank, a latch mechanism through which the crank imparts motion to the lever, the means for tripping the latch out of engagement, whereby the rotary crank is adapted to move the lever and ejector the required distance and then release them.

63. In a linotype machine the combination with the ejector, of a rotary crank, an automatically trimming latch, through which the machine imparts motion during a part of each revolution to the ejector, and a spring for returning the ejector.

64. In a linotype machine, the combination of the ejector operating lever *n*1, the revolving crank *n*2, the latch or bolt *n*3, and the tripping device *n*4.

65. In a linotype machine the combination of the trimming knives, an ejector for driving the slug between and beyond the knives, and a chute O, having a shoulder or offset *o* to effect the reversal of the falling slug.

66. In a linotype machine, the combination of a chute O, having a shoulder or offset *o*, a galley into which the chute discharges, and means for delivering the linotypes successively in an upright position into the chute, whereby their reversal is effected during their passage to the galley.

67. In a linotype machine, the combination of a mold carrier, a knife to trim the base of the slug at the back of the mold and a knife support, bearing on the front face of the mold carrier, whereby the knife is held in contact with the mold during the trimming operation.

68. In a linotype machine the combination of the turning mold carrier H, the knife S, a knife support *s*, and an anti-friction roller M, attached to said support and bearing on the mold carrier in opposition to the knife.

69. In a linotype machine, having the assembling and the casting mechanism arranged in angular relation to each other, the swinging pot, and the cam shaft for operating the pot and its pump, in combination with the main shaft arranged at angle thereto, and intermediate driving gear.

70. In a linotype machine, the combination of assembling, casting and distributing mechanisms with supports for the matrix line, adapted to turn the composed line from its original position to a different position for presentation to the casting mechanism, and to again turn the line so that it may face the original direction for presentation to the distributing mechanism.

71. In a linotype machine, means for turning the composed line of matrices to a position at an angle to that in which it was composed, and thereafter turning it to face in its original position.

Specification, £2 10s. Drawings on application.

R. G. FERGUSON,
Registrar of Patents.

Renewal Fees paid on Letters Patent from 22nd to 29th August, 1903.

Fees payable before the end of the fourth year in respect of the following three years:—

No. 2670.—JETHRO JOHN PEARSE.

Fee payable before the end of the seventh year in respect of the following seven years:—

No. 1267.—E. B. BEECHER and J. P. WRIGHT.

Applications abandoned.

AUGUST 22ND—29TH.

Application No. 4095.—LUCIUS MICHAEL CULLEN, of Kalgoorlie, Western Australia, Accountant, "*Improved Sealing Appliance or Fastener for Envelopes.*"—Dated 23rd October, 1902.

Application No. 4096.—CHARLES THOMAS ROBINSON, of 276 Hay Street, Perth, Western Australia, Property Broker and Commission Agent, "*Suspension Railway or Combined Improved Centrifugal and Zig-zag Railway.*"—Dated 28th October, 1902.

Applications for Patents.

AUGUST 22ND—29TH.

[Where Provisional Specification accompanies Application an asterisk is affixed.]

No.	Date.	Name.	Address.	Title.
4569	25th Aug., 1903	McDonough, T.	Richmond, Victoria	An improved oil lamp, with air tube and automatic extinguisher.
4570	25th Aug., 1903	The Wilfley Ore Concentrator Syndicate, Limited (assignee of Wilfley, A. R.)	London, England...	Improvements in the method of and means for concentrating ores.
4571	25th Aug., 1903	The Wilfley Ore Concentrator Syndicate, Limited (assignee of Wilfley, A. R.)	London, England...	Improvements in the method of and means for concentrating ores.
4572	25th Aug., 1903	Passow, H.	Hamburg, Germany	An improved process and means for the treatment of blast furnace and other slags.
4573	26th Aug., 1903	The Colonial Ferro-Concrete Syndicate, Limited (assignee of Foort, H.)	London, England...	Improvements in floors, partitions, walls, beams, joists, pillars, and like structures in strengthened concrete.
4574	28th Aug., 1903	Menesdorffer, A.	St. Alban's, Victoria	Manufacture of an improved coriaceous material.
*4575	28th Aug., 1903	Barber, E.	Perth, W.A. ...	Automatic electrical apparatus for simultaneously locking and unlocking the doors of railway carriages.
*4576	28th Aug., 1903	Walkeden, A. E.	South Perth, W.A.	A new or improved portable or travelling transport bridge.
*4577	29th Aug., 1903	Renou, F. G.	East Fremantle, W.A.	A new or improved level and check level staff.

Provisional Specifications Accepted.

Patent Office, Perth, 4th September, 1903.

APPLICATIONS for Letters Patent, accompanied by Provisional Specifications, which have been accepted from 22nd to 29th August, 1903:—

Application No. 4552.—HERBERT REGINALD JOLLY, of Hokitika, in the provincial district of Westland, in the Colony of New Zealand, "*An improved Hose-coupling.*"—Dated 13th August, 1903.

Application No. 4557.—UNITED SHOE MACHINERY COMPANY, of Paterson, in the State of New Jersey, United States of America (assignee of McFeely, R. F.), "*Improvements in or relating to Pulling-over and like Machines.*"—Dated 18th August, 1903.

Application No. 4558.—HIRAM JONES, of 99 South Street, Ascot Vale, in the County of Bourke, in the State of Victoria, in the Commonwealth of Australia, Engineer, "*An improved Machine for Crushing and, if necessary, Amalgamating Metalliferous Ores.*"—Dated 18th August, 1903.

Application No. 4563.—HENRIETTA FRANCES FINNERTY, of John Street, North Fremantle, Western Australia, T... "*An improved Door Stop.*"—Dated 19th August, 1903.

R. G. FERGUSON, Registrar of Pat...

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Name.	Title.	No.	Date.
Barber, E.	Automatic electrical apparatus for simultaneously locking and unlocking the doors of railway carriages	4575	28th Aug., 1903
Colonial Ferro-Concrete Syndicate, Limited (Assignee of Foort, H.) ...	Improvements in floors, partitions, walls, beams, joists, pillars, and like structures in strengthened concrete	4573	26th Aug., 1903
Foort, H.	*Vide* Colonial Ferro-Concrete Syndicate, Ltd. (assignee of Foort, H.)	4573	26th Aug., 1903
McDonough, T.	An improved oil lamp, with air tube and automatic extinguisher	4569	25th Aug., 1903
Menesdorffer, A.	Manufacture of an improved coriaceous material ...	4574	28th Aug., 1903
Passow, H.	An improved process and means for the treatment of blast furnace and other slags	4572	25th Aug., 1903
Renou, F. G.	A new or improved level and check level staff	4577	29th Aug., 1903
Walkeden, A. E.	A new or improved portable or travelling transport bridge	4576	28th Aug., 1903
Wilfley, A. R.	*Vide* Wilfley Ore Concentrator Syndicate, Ltd., (assignee of Wilfley, A. R.)	4570	25th Aug., 1903
Wilfley, A. R.	*Vide* Wilfley Ore Concentrator Syndicate, Ltd. (assignee of Wilfley, A. R.)	4571	25th Aug., 1903
Wilfley Ore Concentrator Syndicate, Ltd. (assignee of Wilfley, A. R.)	Improvements in the method of and means for concentrating ores	4570	25th Aug., 1903
Wilfley Ore Concentrator Syndicate, Ltd (assignee of Wilfley, A. R.)	Improvements in the method of and means for concentrating ores	4571	25th Aug., 1903

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Title.	Name.	No.	Date.
Bridge	*Vide* Transport Bridge	4576	28th Aug., 1903
Concentrating Ores	*Vide* Ores (means for concentrating)	4570	25th Aug., 1903
Concentrating Tables	Wilfley Ore Concentrator Syndicate, Ltd. (assignee of Wilfley A. R.)	4571	25th Aug., 1903
Coriaceous Material	*Vide* Leather (substitute for)	4574	28th Aug., 1903
Doors (automatic locking of) ...	Barber, E.	4575	28th Aug., 1903
Floors	Colonial Ferro-Concrete Syndicate, Ltd. (assignee of H. Foort)	4573	26th Aug., 1903
Furnace Slags (blast)	*Vide* Slags (treatment of)	4572	25th Aug., 1903
Lamps	*Vide* Oil Lamps	4569	25th Aug., 1903
Leather (substitute for)	Menesdorffer, A.	4574	28th Aug., 1903
Level Staff	Renou, F. G.	4577	29th Aug., 1903
Oil Lamps	McDonough, T.	4569	25th Aug., 1903
Ores (means for concentrating) ...	Wilfley Ore Concentrator Syndicate, Ltd. (assignee of Wilfley, A. R.)	4570	25th Aug., 1903
Ores	*Vide* Concentrating Tables	4571	25th Aug., 1903
Partitions	*Vide* Floors	4573	26th Aug., 1903
Railway Carriages	*Vide* Doors (automatic locking of)	4575	28th Aug., 1903
Slags (treatment of)	Passow, H.	4572	25th Aug., 1903
Transport Bridge	Walkeden, A. E.	4576	28th Aug., 1903
Walls	*Vide* Floors	4573	26th Aug., 1903

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Name.	Title.	No.	Date.	*Gazette.* Date.	No.	Page.
Cunningham, C. S. ...	*Vide* Grayson, L. W., and Cunningham, C. S.	4059	24th Sept., 1902	26th June, 1903	26	1682
Duryea, O. C.	*Vide* Phillips, E.	4441	27th May, 1903	26th June, 1903	26	1683
Gillies, A.	Improved method of and means for pulsating inflatible teat cups of pneumatic milking apparatus	4429	21st May, 1903	26th June, 1903	26	1682
Grayson, L. W., and Cunningham, C. S.	An improved rowing machine for physical exercise, training, and coaching	4059	24th Sept., 1902	26th June, 1903	26	1682
Laval, C. G. P. de	Improvements in or pertaining to the distillation of zinc and other volatile metals from material containing the same	4435	27th May, 1903	26th June, 1903	26	1682
Lindmark, T. G. E. ...	Improvements in elastic fluid turbines	4434	27th May, 1903	26th June, 1903	26	1682
Morrow, J.	Improvements in stripper harvesters ...	3990	12th Aug., 1902	26th June, 1903	26	1681
Phillips, E. (*Duryea, O. C., and White, M. C.*)	A free piston engine	4441	27th May, 1903	26th June, 1903	26	1683
Picard, H. F. K.	*Vide* Sulman, H. L., and Picard, H. F. K.	4449	3rd June, 1903	26th June, 1903	26	1683
Pierce, G. P.	Improvements in calculating apparatus	4008	26th Aug., 1902	26th June, 1903	26	1681
Seymour, G.	An improved subsoiling attachment for double and multi-furrow ploughs	3989	12th Aug., 1902	26th June, 1903	26	1681
Sulman, H. L., and Picard, H. F. K.	Improvements in or relating to the recovery of precious metals	4449	3rd June, 1903	26th June, 1903	26	1683
Trivick, S.	Process for the manufacture of dry sulphates of the alkali metals and the products thereof	4447	2nd June, 1903	26th June, 1903	26	1683
White, M. C.	*Vide* Phillips, E.	4441	27th May, 1903	26th June, 1903	26	1683

Index of Subjects of Patents granted.

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Title.	Name.	No.	Date.	Gazette. Date.	Gazette. No.	Gazette. Page.
Calculating Apparatus	Pierce, G. P.	4008	26th Aug., 1902	26th June, 1903	26	1681
Engines (Piston)	Phillips, E.	4441	27th May, 1903	26th June, 1903	26	1683
Harvesters	*Vide* Stripper Harvesters ...	3990	12th Aug., 1902	26th June, 1903	26	1681
Metals	Sulman, H. L., and Picard, H. F. K.	4449	3rd June, 1903	26th June, 1903	26	1683
Milking Apparatus (pulsating teat cups of)	Gillies, A.	4429	21st May, 1903	26th June, 1903	26	1682
Ploughs	*Vide* Subsoiling Attachment	3989	12th Aug., 1902	26th June, 1903	26	1681
Recovering Metals	*Vide* Metals	4449	3rd June, 1903	26th June, 1993	26	1683
Rowing Machine	Grayson, L. W., and Cunningham, C. S.	4059	24th Sept., 1902	26th June, 1903	26	1682
Salt (process of manufacture of)	Trivick, S.	4447	2nd June, 1903	26th June, 1903	26	1683
Stripper Harvesters	Morrow, J.	3990	12th Aug., 1902	26th June, 1903	26	1681
Subsoiling Attachment ...	Seymour, G.	3989	12th Aug., 1902	26th June, 1903	26	1681
Turbines	Lindmark, T. G. E.	4434	27th May, 1903	26th June, 1903	26	1682
Zinc (distillation of)	Laval, C. G. P. de	4435	27th May, 1903	26th June, 1903	26	1682

Alphabetical List of Registrants of Trade Marks.

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Name.	Goods.	Class.	No.	Date.	Gazette. No.	Gazette. Date.	Gazette. Page.
Anderson, G. C.	Chemical substances prepared for use in medicine and pharmacy	3	2835	3rd June, 1903	25	19th June, 1903	1638
Colvin, J.	Self-raising Flour	42	2836	3rd June, 1903	25	19th June, 1903	1638
Lysaght, J., Limited ...	Galvanised iron and wire, fencing wire, sheet iron, plate iron, bar iron, and boiler plates	5	2841	10th June, 1903	25	19th June, 1903	1638
Manhu Food Company, Limited	Substances used as food or as ingredients in food	42	2843	11th June, 1903	25	19th June, 1903	1638
Pacific Polish and Compound Company	Metal Polish	50*	2744	3rd Mar., 1903	11	13th Mar., 1903	662

* Sub-section 6.

Index of Goods for which Trade Marks have been registered.

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Goods.	Name.	No.	Date.	Class.	Gazette. No.	Gazette. Date.	Gazette. Page.
Chemical Substances...	Anderson, G. C.	2835	3rd June, 1903	3	25	19th June, 1903	1638
Flour (self-raising) ...	Colvin, J.	2836	3rd June, 1903	42	25	19th June, 1903	1638
Food Substances ...	Manhu Food Company, Ltd.	2843	11th June, 1903	42	25	19th June, 1903	1638
Iron and Wire (galvanised)	Lysaght, J., Limited	2841	10th June, 1903	5	25	19th June, 1903	1638
Iron (bar)	*Vide* Iron and Wire (galvanised) ...	2841	10th June, 1903	5	25	19th June, 1903	1638
Iron (sheet)	*Vide* Iron and Wire (galvanised) ...	2841	10th June, 1903	5	25	19th June, 1903	1638
Medicine	*Vide* Chemical Substances	2835	3rd June, 1903	3	25	19th June, 1903	1638
Pharmacy	*Vide* Chemical Substances	2835	3rd June, 1903	3	25	19th June, 1903	1638
Plates (boiler)	*Vide* Iron and Wire (galvanised) ...	2841	10th June, 1903	5	25	19th June, 1903	1638
Polish (metal)	Pacific Polish and Compound Company	2744	3rd March, 1903	50*	11	13th Mar., 1903	662
Wire (fencing) ...	*Vide* Iron and Wire (galvanised) ...	2841	10th June, 1903	5	25	19th June, 1903	1638

* Sub-section 6.

By Authority: WM. ALFRED WATSON, Government Printer, Perth.