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

Complete Specifications.

Patent Office, Perth,
1st August, 1902.

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 any of such applications must leave particulars, in writing, in duplicate (on Form D), of his or their objections thereto, within two calendar months from the first appearance of this advertisement in the Western Australian Government Gazette. A fee of Ten Shillings (10s.) is payable with such notice.

Application No. 3543.—ARTHUR CONSTANT AUCHER, of Bank Street, South Brisbane, in the State of Queensland, Commonwealth of Australia, Bachelor of Arts, "*An improved Burner and Mantle for Incandescent Gas Lighting.*"—Dated 17th September, 1901.

Claims:—

1. An improved burner for use in incandescent gas lighting consisting of a gas inlet such as A, open basket such as B, adjusting screw or sleeve such as C, tube such as D, gauze cap E and tapered sleeves such as F and H substantially as hereinbefore described and explained and as illustrated.

2. An improved metallic mantle for incandescent gas lighting or as an automatic igniter consisting of a woven tissue composed of an alloy of polonium with molybdenum, tungsten and antimony or with one of the rare metals.

3. An automatic igniter of gas consisting of a refractory material such as asbestos, plaster of paris, and animal black impregnated with a solution of polonium substantially as described.

4. The combination with a burner such as that claimed in Claim 1 with a mantle or igniter such as that claimed in Claim 2 substantially as described.

Specification, 3s. 6d. Drawings on application.

Application No. 3953.—THE VACUUM CLEANER COMPANY, LIMITED, of 25 Victoria Street, in the County of London, England (assignee of Herbert Cecil Booth), "*Improvements relating to the Extraction of Dust from Carpets and other materials.*"—Dated 16th July, 1902.

Claims:—

1. The combination of an extracting implement connected with a power-driven suction pump, and dust collecting means interposed between the said implement and pump, substantially as and for the purpose specified.

2. In an apparatus of the type claimed in the first claim, a valve controlling the communication between the extracting implement and the impurity collectors and suction pump, said valve being so arranged that it normally assumes a closed position, substantially as described for the purpose specified.

3. In apparatus such as is claimed in the first claim, a hollow extracting implement having a transverse vibratory porous diaphragm, an inlet orifice closed by a valve on one side of said diaphragm, and an outlet suction pipe on the other side of said diaphragm, substantially as described, for the purpose specified.

4. An apparatus such as is claimed in the first claim, an impurity collector provided with a dome-shaped porous partition having beneath it a deflecting cap upon which the impure air is discharged, and having an outlet for cleansed air above said partition, substantially as described for the purpose specified.

5. In apparatus such as is claimed in the first claim; an impurity collector containing liquid, in which are arranged perforated reticulated partitions for distributing the impure air, and having baffle plates arranged above the level of said liquid to cause the air to flow in a circuitous course before leaving the collector, substantially as described for the purpose specified.

6. An impurity extracting implement constructed arranged and adapted to operate substantially as described with reference to Figures 2 and 3, or to Figures 4 and 5, or to Figures 6 and 7, or to Figures 8 and 9 of the accompanying drawings for the purpose specified.

7. An impurity collecting implement constructed, arranged and adapted to operate substantially as described with reference to Figure 10 or to Figure 11 or to Figure 12 of the accompanying drawings for the purpose specified.

8. Apparatus having its members constructed and arranged to operate substantially as described with reference to the accompanying drawings for the purpose specified.

Specifications, 15s. Drawings on application.

Application No. 3958.—PERCY HERBERT DANDO, of Whangarei, in the Colony of New Zealand, Cabinet-maker, "*Improvements in Chamber Utensils and attachments therefor.*"—Dated 21st July, 1902.

Claims:

1. In combination with the utensil referred to, a hinged or pivoted attachment having the special surfaces aforesaid and adjusted in position substantially as and for the purposes set forth.

2. In the utensil referred to a rim depression substantially as described for the purposes set forth.

3. In combination with the utensil referred to a pivot or clip substantially as described for the purposes set forth.

4. A removable attachment for the utensil referred to constructed with the special surfaces adapted to be located as and for the purposes set forth.

5. The utensil referred to provided integrally with the special surfaces constructed and located on one side of the centre of the vessel as hereinbefore set forth for the purposes described.

Specification, 3s. 6d. Drawings on application.

Application No. 3961.—PHILIP RAYSON, of Orrong Road South, Elsternwick, in the State of Victoria, Engineer, "*Improvements in Spanner Attachments.*"—Dated 22nd July, 1902.

1. In a spanner attachment a block to engage a spanner jaw, in combination with a bow or the like having limbs of adjustable length with lugs to grip in any desired position, substantially as and for the purposes set forth.

2. In a spanner attachment a slidable block to engage a spanner jaw in combination with a bow or the like having limbs with lugs to grip, as set forth.

3. In a spanner attachment, a spanner jaw engaging block having wings substantially as and for the purposes set forth.

4. In a spanner attachment, the combination with a perforated block (with or without wings) of a bow b or the like and the limbs d having perforation-entering lugs c substantially as set forth.

Specification, 4s. 6d. Drawings on application.

Application No. 3962.—MATTHEW BERNARD SILK, of 82 King Street, Sydney, in the State of New South Wales, Tailor, "*An apparatus for Shrinking Cloth and other fabrics.*"—Dated 22nd July, 1902.

Claims:—

1. In an apparatus for shrinking cloth and other fabrics, the combination of a metal plate covered with calico or other material, the said plate being heated by any suitable means, and a metal frame, substantially as and for the purposes set forth.

2. In an apparatus for shrinking cloth and other fabrics, the combination of a metal plate covered with calico or other material, the said metal plate being heated by gas or other means, a metal frame and a roller as hereinbefore described.



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