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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,
24th October, 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 date of this Gazette. A fee of Ten shillings (10s.) is payable with such notice.

Application No. 3923.—FLAMELESS GAS LIGHT COMPANY, LIMITED, of 32 Great St. Helens, London, England (*assignee of William Hooker*), "*Improvements in Methods and Apparatus for Incandescence Gas or Vapour Lighting.*"—Dated 2nd July, 1902.

Claims:—

1. The manufacture and use for the purpose of burning weakly carburetted air of a burner having a head filled as hereinbefore described with small metal tubes or their equivalent of the dimensions approximately hereinbefore specified, substantially as hereinbefore described.
 2. A burner for incandescence gas or vapour lighting comprising a hollow head and a hollow stem attached to the lower end thereof, the said head, and if necessary the stem, containing tubes or the equivalent of approximately the diameter specified, substantially as hereinbefore described.
 3. In a burner of the kind hereinbefore described the employment, in lieu of tubes, of corrugated metal arranged between metal cylinders, substantially as described and illustrated.
 4. Incandescence gas or vapour burners constructed substantially as hereinbefore described and illustrated in the accompanying drawing.
- Specification, 3s. Drawings on application.

Application No. 3913.—FLAMELESS GAS LIGHT COMPANY, LIMITED, of 32 Great St. Helens, London, England (*William Hooker*), "*Improvements in and relating to Incandescent Gas and Vapour Burners.*"—Dated 11th July, 1902.

Claims:—

1. A platinum thimble for an incandescent gas burner, the said platinum thimble being provided with perforations, substantially of the size and number hereinbefore described.

2. The combination of a thimble of the kind referred to in the preceding claiming clause, and a burner constructed in the manner hereinbefore described with reference to figures 2 and 3 of the accompanying drawings.

Specification, 3s.

Application No. 4065.—ROBERT MCKNIGHT, of 2837 Bondinot Street, in the City of Philadelphia, County of Philadelphia and State of Pennsylvania, in the United States of America. Chemist and Metallurgist, "*Improvements in art of treating Refractory Ores of Precious Metals.*"—Dated 30th September, 1902.

Claim:—

The art of recovering metal values from ores containing the precious metals and carbonates of other metals, which consists in heating the pulverized ore mixed with a material containing sulphur or arsenic, until the carbonic acid radical is replaced by sulphur and oxygen and the carbonic acid radical driven off from the ore, and then roasting the ore with free access of air and agitation mixed with a haloid salt of an alkaline or alkaline earth metal until there is produced a haloid salt of the precious metal, and an oxysalt of the alkaline or alkaline earth metal and the sulphur or arsenic substantially as described.

Specification, 2s.

Application No. 4066.—STEDD ELECTRIC AND MANUFACTURING COMPANY, of 136 Liberty Street, New York City, New York, United States of America (*Thomas Romer Weyant*), "*Improvements in Ventilators.*"—Dated 30th September, 1902.

Claims, numbering 26, can be inspected at the Patent Office.

Specification, 18s. Drawings on application.

Application No. 4077.—GEORGE WESTINGHOUSE, of Westinghouse Building, Pittsburg, Pennsylvania, United States of America, Manufacturer (*William John Knox*), "*Improvements relating to the linings of vessels for metallurgical work.*"—Dated 7th October, 1902.

Claims:—

1. A process for lining vessels, which consists in packing against the wall thereof a plastic mass consisting of soluble glass and a basic refractory oxide of such a nature or so treated that it will not become hydrated by water, and afterwards impregnating the same with calcic chloride.
 2. The modification of the process, in which oxysulphate of iron is mixed with the basic refractory oxide before mixing the same with the soluble glass.
 3. A material for lining vessels, consisting of a mixture of basic refractory oxide, of such a nature or so treated that it will not become hydrated by water, and calcic silicate either with or without oxysulphide of iron.
 4. The process of lining vessels for metallurgical purposes with a basic lining containing only a small percentage of silica substantially as described.
 5. A vessel for metallurgical purposes having a lining containing only a small percentage of silica and constructed substantially as described.
- Specification, 6s. Drawings on application.



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Applications for the Grant of Letters Patent