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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 January, 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. 3713.—WILLIAM ARTHUR CAMERON WALLER, Commercial Traveller, of 7 Stamford Hill, London, England, "*An improved block or plate for use in constructing Partition Walls.*"—Dated 14th January, 1902.

Claims:

1. A tile having a recess centrally located on one of its edges said recess being so shaped that the end half of each of two correspondingly shaped tiles will when reversed and fitted together form the exact counterpart of and fit accurately said recessed edge, a straight edge on the opposite edge of said tile to said recessed edge, a continuous groove extending all round the edge of said tile including the recessed edge and the said opposite straight edge and a central passage right through said tile located equidistant from each end of the tile substantially as and for the purposes set forth.

2. A tile having a recess centrally located on one of its edges said recess being so shaped that the end half of each of two correspondingly shaped tiles will when reversed and fitted together form the exact counterpart of and fit accurately said recessed edge, a straight edge on the opposite edge to said recessed edge, a continuous groove extending all round the edge of said tile including the recessed edge and the said opposite straight edge and a central vertical passage right through said tile located equidistant from each end of the tile in combination and arranged to act in conjunction with vertical tie-rods such as *c* substantially as and for the purposes set forth.

3. A tile having a recess centrally located on one of its edges said recess being so shaped that the end half of each of two correspondingly shaped tiles will when reversed and fitted together form the exact counterpart of and fit accurately said recessed edge, a straight edge on the opposite edge to said recessed edge, a continuous groove extending all round the edge of said tile including the recessed edge and the said opposite straight edge in combination and arranged to act in conjunction with horizontal tie-rods such as *f* inserted in the grooves along said adjoining straight edges substantially as and for the purposes set forth.

4. A tile having a recess centrally located on one of its edges said recess being so shaped that the end half of each of two correspondingly shaped tiles will when reversed and fitted together form the exact counterpart of and fit accurately said recessed edge, a straight edge on the opposite edge to said recessed edge, a continuous groove extending

all round the edge of said tile including the recessed edge and the said opposite straight edge, a central vertical passage right through said tile located equidistant from each end of the tile, and vertical tie-rods such as *c* in combination and acting in conjunction with horizontal tie-rods *f* and junction pieces or unions *g* substantially as and for the purposes set forth.

5. A block or plate for partition walls constructed arranged and adapted to be used substantially in the manner and for the purposes hereinbefore described with reference to and as illustrated in Figures 1 and 2 of the drawings hereunto annexed.

6. Corner blocks for return walls constructed and arranged to act substantially as and for the purposes hereinbefore described with reference to and as illustrated in Figures 3 and 4 of the drawings hereunto annexed.

Specification, 6s. Drawings on application.

Application No. 3714, JOHN ELIOT HOWARD, of 63 Queen Victoria Street, in the City of London, England, Engineer, "*Improvements in Engines driven by Compressed Fluid.*"—Dated 14th January, 1902.

Claims:—

1. An engine having a hollow cylindrical distribution valve geared to the crank shaft, and provided with a longitudinal inlet port or series of ports on its outer surface, and an exhaust port or series of ports cut through it to its interior, substantially as described.

2. An engine having a plurality of cylinders, and a hollow cylindrical distribution valve geared to the crank shaft, and provided with longitudinal inlet ports or series of ports on its outer surface, and exhaust ports or series of ports cut through it to its interior, the ports for one cylinder being in advance of those for the next, substantially as described.

3. The means of rendering engines claimed in the preceding claims reversible, substantially as described.

4. The means of rendering engines claimed in Claims 1 and 2 double acting, substantially as described.

5. Engines substantially as described and illustrated.

Specification, 5s. 6d. Drawings on application.

Application No. 3716.—ALEXANDER CLASSEN, of 57 Templergraben, Aix-la-Chapelle, in the German Empire, Professor of Chemistry, "*Process for converting wood and other Cellulose Material into Sugar (dextrose) and Alcohol.*"—Dated 14th January, 1902.

Claims:—

1. Process for converting wood, sawdust and other cellulose material of any kind into sugar, consisting in heating the wood and the like in a closed vessel at a temperature of 120-145° C with such a small quantity of aqueous sulfuric acid that the wood appears only moist, substantially as described.

2. A modification of the process referred to in Claim 1, consisting in treating the wood and the like with a mixture of aqueous sulfuric acid and concentrated sulfuric acid, substantially as described.

Specification, 4s.

R. G. FERGUSON,
Acting Registrar of Patents.



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Applications for Grant of Letters Patent