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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,
20th March, 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. 3852.—ROBERT PEARCE GIBBONS, of Kopu, District of Auckland, New Zealand, Saw Mill Proprietor, "*An improved Water Gauge for steam boilers.*"—Dated 2nd May, 1902.

Claims:—

1. A water gauge for steam boilers, the same consisting of a metal tube, the two ends of which are connected with the internal space of the boiler, such metal tube being provided with transparent discs inserted therein throughout its length, as herein specified.

2. A metal tube the two ends of which are connected to the internal space of a steam boiler, holes extending throughout the length of such tube and arranged in pairs diametrically opposite to each other, each pair being on an axis at right angles to those above and below it, and discs of transparent material fitted within the holes, as and for the purposes herein set forth.

3. The general arrangement, construction and combination of parts in my improved water gauge for steam boilers, as herein described and explained, as illustrated in the accompanying drawing and for the several purposes set forth.

Specifications, 6s. Drawings on application.

Application No. 4266.—ALFRED JACKAMAN ELLIS, Gentleman, of 65 Moorgate Street, London, E.C., England (assignee of Herman Casler and Harry Norton Marvin), "*Improvements in Tape-embossing and Feeding Machines.*"—Dated 6th February, 1903.

Claims, numbering 24, may be inspected at the Patent Office.

Specification, £1 14s. Drawings on application.

Application No. 4306.—ROBERT LE POER TRENCH, of No. 9 Kellett Street, Darlinghurst, near Sydney, in the State of New South Wales and Commonwealth of Australia, Civil Engineer, "*Improvements in Hydrant Valves.*"—Dated 26th February, 1903.

Claims:—

1. In a hydrant valve or fire plug the combination with a valve seat of a cylindrical wooden or the like valve plug and preferably imperiously coated and a cage adapted to guide and hold said valve plug substantially as herein described and explained.

2. In a hydrant valve or fire plug the combination with a valve seat consisting of packing such as 8 and disc or plate such as 9 of a cylindrical wooden or the like valve plug such as 6 and a cage 2 having flange such as 3 and ribs such as 4 substantially as herein described and explained and as illustrated in the drawings.

3. In a hydrant valve or fire plug the combination with a valve seat consisting of packing such as 8 taking under disc or flange such as 13 of a cylindrical wooden or the like valve plug such as 6 and a cage such as 10 formed integral with the casing such as 1 and having ribs such as 11 and cross piece such as 12 substantially as herein described and explained and as illustrated in the drawings.

Specification, 6s. Drawings on application.

Application No. 4307.—EDMUND EATON, of 99 Cannon Street, London, E.C., Patents Agent, "*A new or improved process of producing Building Bricks or Blocks and apparatus for use therewith.*"—Dated 26th February, 1903.

Claims:—

1. The improved process and apparatus for the manufacture of bricks or blocks, in combination, substantially as described and illustrated.

2. In a process for the manufacture of bricks and blocks from sand, lime, ashes, clinkers and such like, the improved slaking or mixing cylinder or drum, and in combination or use therewith of a screening or sieving apparatus, so that the contents, as they fall from the cylinder or drum are screened, substantially as set forth and illustrated herein.

3. The combined steaming and annealing chamber arranged and constructed and used substantially as described and illustrated herein.

4. The combined arrangement and construction of the cage and truck for use, as and for the purpose set forth and illustrated herein.

5. In drums or mixers, the arrangement of the bottom of same so as to incline the contents to the outlet manhole or manholes substantially as described and illustrated herein.

6. In the manufacture of sand bricks or blocks, the treatment of same after leaving the steaming chamber in a dry state by spraying with a weak solution of steam, or water and alkali, and re-drying same in an annealing chamber.

7. In steaming, drying or annealing chambers, mounting the partitions or covers thereof on carriages supported on flanged wheels for facilitating the removal of the covers when desired, and for transferring the contents from the steaming to the annealing chamber when desired, substantially as hereinbefore described and illustrated herein.

8. In steaming chambers for sand, bricks, blocks, and the like, in combination therewith of flue or flues, for utilisation of the waste gases from boiler furnace or exhaust, substantially as and for the purpose herein described.

Specification, 9s. Drawings on application.

Application No. 4308.—EDMUND EATON, of 99 Cannon Street, London, E.C., England, "*A new or improved process of producing Building Bricks or Blocks, and apparatus for use therewith.*"—Dated, 26th February, 1903.

Claims:—

1. The improved process and apparatus for the manufacture of bricks or blocks, substantially, as described and illustrated herein.

2. The new or improved slaking and mixing chamber or apparatus, constructed, arranged and operated substantially as and for the purpose set forth, and illustrated in figures 6 and 7 herein.

3. In lime slaking or mixing apparatus, the combination and arrangement of one or more drums or cylinders or compartments arranged, used and operated substantially as described and illustrated herein.

4. A lime slaking or mixing apparatus so arranged as the steam, heat or gas generated in the one chamber may be utilised in the other chamber or chambers, in a manner and for the purpose hereinbefore described and illustrated.



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