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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,
6th June, 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. 3542.—FRANK ARTHUR BLAKESLEE, of Kalgoorlie, Western Australia, Engineer, "*A combined Percolation and Agitation Vat.*"—Dated 16th September, 1901.

Claims:—

1. In percolation and agitation vats:—Horizontally revolving blades as C provided with means for their vertical adjustment in combination with a vat as A and parts as shown substantially as and for the purposes herein explained and as illustrated in the attached drawings.

2. In percolation and agitation vats:—A filter bottom as B maintained in an effective state by blades revolving over its face and supported on a false and open spaced floor as B and in communication with a vacuum pump or lower chamber whereby the solution is drawn off from the pulp or slimes by suctional action substantially as and for the purposes herein explained and as illustrated in the attached drawings.

3. The peculiar combination and construction of and the means for operating the agitation and percolation vat as herein described and set forth and as illustrated in the attached drawings.

Specification, 5s. Drawings on application.

Application No. 3585.—RICHARD KEYTE, of Whangarei, Auckland, in the Colony of New Zealand, Builder, "*An Improved Fire Escape.*"—Dated 8th October, 1901.

Claims:—

1. In fire escapes, a pair of drums rigidly mounted on a rotatable shaft, each drum being provided with a rope wound thereon in the opposite direction to the other, in combination with an escapement wheel upon the shaft and with an escapement adapted to engage with the escapement wheel, as herein set forth.

2. In fire escapes, two drums rigidly mounted on a rotatable shaft, one of which drums is made of greater diameter than the other, a rope wound upon the larger drum the free end of which is adapted to receive the person to be lowered and a rope wound upon the smaller drum in the reverse direction to that upon the larger drum and to the free end of which a counterweight is connected, as herein specified.

3. In fire escapes, in combination, a large and small drum mounted upon a shaft carried by brackets affixed to a wall, ropes wound upon such drums in reverse directions and the free ends of which are respectively adapted to receive the person to be lowered and a counterweight, an escapement wheel upon the shaft adapted to be rotated with the drums, and an escapement mounted upon a rocking spindle above the escapement wheel the pallets of such escapement being formed of antifriction rollers and which are adapted to engage alternately with the teeth of the escapement wheel, as the same is rotated, as herein specified.

4. The general arrangement, construction and combination of parts in my improved fire escape, as herein described and explained, as illustrated in the accompanying sheet of drawings and for the several purposes set forth.

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

Application No. 3651.—RICHARD KEYTE, of Whangarei, Auckland, in the Colony of New Zealand, Builder, "*Improved means for automatically Indicating a Change in Temperature.*"—Dated 23rd November, 1901.

Claims:—

1. In means for indicating a change in temperature, a bell provided with a spring actuated tongue, a collar upon a sliding spindle engaging with and holding the tongue from movement, and a capsule upon the end of the spindle composed of flexible walls and containing a fluid of a nature such that it will expand and contract when subjected to heat and cold, as herein specified.

2. In means for indicating a change in temperature a bell provided with a spring actuated tongue and mounted upon a suitable base secured to a frame by means of which it may be fixed in any desired position, a collar upon a spring sliding spindle engaging with and holding the tongue, a capsule composed of flexible walls and containing a fluid susceptible to expansion and contraction by heat and cold which is secured to the end of the sliding spindle, and a regulating screw within the frame the end of which bears against the other side of the capsule, as herein set forth.

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

R. G. FERGUSON,
Registrar of Patents.

Patent Office, Perth,
30th May, 1902.

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For particulars of claims, vide Gazette No. 22, 30th May, 1902.

Application No. 3832.—SHERARD COWPER-COLES & Co., LIMITED, of 82 Victoria Street, Westminster, London, England, Manufacturers (Assignee of SHERARD COWPER-COLES), "*Improvements in or relating to the Deposition of Metals or Compounds.*"—Dated 19th April, 1902.

Specification, 9s. Drawings on application.

Application No. 3835.—ALBERT KRANK, of Warkau Jorois, Finland, Engineer, "*Improvements in or connected with Steam Turbines, and Mechanism or Apparatus connected therewith, for directly converting the energy thereof into fluid pressure.*"—Dated 22nd April, 1902.

Specification, 12s. Drawings on application.



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