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CONTENTS:

SUBJECT.	PAGE	SUBJECT.	PAGE
Complete Specifications accepted	2177	Alphabetical list of Patentees	2179
Renewal Fees paid, Patents	2177	Alphabetical list of Inventions for which Patents have been granted	2180
Subsequent Proprietors registered, Patents	2178	Applications for Registration of Trade Marks	2180
Applications Abandoned, Patents	2178	Renewal Fees paid, Trade Marks	2181
Applications for Patents	2178	Alphabetical list of Registrants of Trade Marks	2182
Provisional Specifications accepted	2178	Alphabetical list of Goods for which Trade Marks have been registered	2182
Alphabetical list of Applicants for Patents	2179		
Alphabetical list of Inventions for which Patents have been applied for	2179		

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

Complete Specifications.

Patent Office, Perth,
14th August, 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. 4076.—*JOSIAH HUNT MILLER*, of Midland Junction, Western Australia, Blacksmith, "*Improved Plough Share*."—Dated 7th October, 1902.

Claim:—

1. In plough shares, the peculiar shaped solid bottomed pouch or pocket being formed and constructed incorporate in, with, and by the share and whereby an under wall or lug is formed and obtained on the inside face of the share and by which lug the share is held against and on to the foot of the plough substantially as herein set forth and described and as illustrated in the attached drawings.

Specification, 2s. Drawings on application.

Application No. 4523.—*THE RAPID CYANIDE TREATMENT, LIMITED*, of 4 Bishopsgate Street Within, in the City of London, England, Manufacturers (assignee of Charles Henry Webb), "*Improvements in or relating to the extraction of metals from ores*."—Dated 23rd July, 1903.

Claims:—

1. A process for the extraction of metals from their ores consisting of the agitation of the material to be treated in a solvent solution within a filtering vat adapted to revolve and the separation of metal carrying solvent from the solid residue by filtration under a difference of pressure set up on the two sides of the filtering medium, substantially as described.

2. In a process for the extraction of metals from their ores in which the solid residue is separated from the metal carrying solvent in a revolving filtering vat and the metal carrying solvent is treated to recover the metal therefrom, the returning of the solvent liquid after said treatment to the filtering vat as a wash solution, substantially as described.

3. Apparatus for extracting metals from their ores consisting of a revolving vat provided with a filtering medium, means for revolving said vat, and means for setting up a difference of pressure between the two sides of the filtering medium so as to separate the liquid solvent from the solid residue by filtration, substantially as described.

4. In apparatus for extracting metals from their ores the combination of a revolving filter vat with a pump adapted to pump compressed air into the vat and alternatively to withdraw the liquid from the vat through the filtering medium, substantially as described.

Specification, 8s. 6d. Drawings on application.

Application No. 4528.—*HEINRICH POETTER*, of Dortmund, in the Empire of Germany, Engineer, "*The manufacture of a safety explosive or blasting substance*."—Dated 29th July, 1903.

Claims:—

1. The manufacture of an explosive or blasting substance by the intimate mixture of ammonium nitrate, dinitrobenzol, curcuma or tumeric and organic copper salts as oxalate, tartrate, ferrocyanate, benzoate, tannate, gallate or pyrogallate of copper, substantially as described.

2. An explosive or blasting substance consisting of the ingredients hereinbefore described and mixed substantially in the proportions specified.

Specification, 2s.

Application No. 4537.—*GEORGE GARIBALDI TURRI*, of Salisbury Building, Queen Street, Melbourne, in the State of Victoria, Patent Agent (*John McKay*), "*Improvements in Football Valves and connected parts*."—Dated 4th August, 1903.

Claims:—

1. In combination, a casing having within it an inflation valve (secured on its seat by a removable nut), and having an internally and externally screw threaded stem and at its outer end a flange having a convex outer surface; a ring fitting non-revolvably on said stem; and means to secure air-tight the football bladder between the inner surface of said flange and the said ring as set forth.

2. In combination, a casing having within it an inflation valve (secured on its seat by a removable nut), and having an internally and externally screw threaded stem, and at its outer end a flange having a convex outer surface; means for securing the outer side of the football bladder air-tight to the inner side of said flange; a cap having an externally screw threaded hollow shank engaging the said internal thread, and a flange convex externally and concave internally, to compress the leather football cover upon the convex surface of the flange of the aforesaid casing.

3. The combination with the valve casing—having the inflation valve, inner removable nut, rubber disc, outer nut, non-revoluble ring, and flange—of the screw cap—having the externally threaded hollow shank and downwardly curving flange—and the bladder, and leather cover having the apertures and countersinking described whereby the parts are secured in position as indicated.

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

R. G. FERGUSON,
Registrar of Patents.

Renewal Fees paid on Patents registered from 1st—8th August, 1903.

Fee payable before the end of the seventh year in respect of the seven following years:—

No. 1286.—*GEORGE CHESSELL*.

Fees payable before the end of the fourth year in respect of the three following years:—

No. 2648.—*LAWRENCE, W. H., and KENNEDY, R.*

No. 2663.—*MAERTENS, E.*



Government Gazette

PERTH, FRIDAY, 14 AUGUST 1903 No. 50a

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CONTENTS

Applications for the Grant of Letters Patent