

RECENTLY PATENTED INVENTIONS.

Engineering Improvements.

CARBURETER FOR EXPLOSION-ENGINES.—HUBERT C. RAY, Visalia, Cal. The carbureter comprises an exhaust-heated carbureting-tank and engine-heated air-supply discharging beneath the oil in the carbureter.

Mechanical Devices.

AUTOMATIC CAGE-REST.—MARTIN HORST, North Lawrence, Ohio. The object of the invention is to provide a new and improved cage-rest which is simple in construction and automatic in operation, moving instantly into an active position in order safely to support the cage at the top of a shaft or mine.

ELEVATOR.—PARLEY D. ROOT, Wakefield, R. I. Safety-doors for shafts have been devised, and a novel car which travels in the shaft. The doors at the floors of the shaft and the door in the elevator are independently mounted and yet so arranged that, while both sets of doors are closed, the car can freely pass up and down the shaft.

CULINARY MASHER AND STRAINER.—RICHARD F. HAYES, Manhattan, New York city. This device can be attached to any suitable support, and by its means food can be quickly mashed and soups clarified.

TYPE-WRITER.—ROBERT J. MINER, Greenwich, Conn., and WILLIS E. MINER, Roselle, N. J. This machine is a typewriter for perforation, so that by the ordinary manipulation of the keys a stencil-sheet can be formed from which any desired number of copies can be taken by means of an inked roller.

Miscellaneous Inventions.

GOLD-UNDERGLAZED CERAMIC DECORATION.—GEORGE W. TOOKER, 48 Murray Street, Manhattan, New York city. The purpose of this invention is to apply gold decoration to porcelain and glassware so that it will resist the action of alkaline and abrasive substances and will last as long almost as the article to which it is applied.

FOUNTAIN-PEN.—CARL J. RENZ, Manhattan, New York city. The invention is so conceived that the pen can be partially or entirely drawn within or without the nozzle by means of a key at one end of the barrel, to vary or entirely cut off the flow of ink.

Designs.

FLASK.—JEREMIAH QUINLAN, Manhattan, New York city. The design consists of a flask which in general contour and appearance resembles a shirt.

MARINE PROPELLER.—CARL RONDELL, Stillwater, Minn. The principal features of this design are, first, the arrangement of the radial propeller-blades in a spiral line around a cylindrical hub, and, secondly, the form of the blades, the same being concavo-convex and straight on their entering or cutting edges and convex on their opposite ones.

TEAPOT.—AUSTIN F. JACKSON, Taunton, Mass. This patent is for an ornamental design for a teapot, involving a scroll-work center piece, and floreated and foliated sprays, including daisies, wild roses, and a conventional rosebud.

SAW-SET AND GAGE.—LEWIS VALENTINE, Claquato, Wash. The device is particularly adapted for setting cross-cut saws. An oval handle is adapted to be held in the hand while supporting the device with three of its face projections against a saw-blade so that the fourth projection may gage the angle or lateral inclination of a saw-tooth, and also while the flat end of the device is held against a saw-tooth when the latter is struck with a hammer, for giving it more or less inclination.

NOTE.—Copies of any of these patents can be furnished by Munn & Co. for ten cents each. Please state the name of the patentee, title of the invention, and date of this paper.

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Marine Iron Works. Chicago. Catalogue free. For hoisting engines. J. S. Mundy, Newark, N. J. "U. S." Metal Polish. Indianapolis. Samples free. Yankee Notions. Waterbury Button Co., Waterbury, Ct.

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(7985) R. N. T. writes: In my home I have two long distance telephones in series; one is a wall and the other a desk phone. When I wish to use my desk phone, I short-circuit the wall phone by means of a switch that I have before me, and I have observed that the mere act of closing that switch calls central.

(7986) R. P. A. asks: Have you the plans for a small motor to be run with about 12 to 18 volts? A. See SUPPLEMENT, No. 641, price ten cents, for the plans of a motor which can be made cheaply and is just what you want.

NEW BOOKS, ETC.

DIE EISENKONSTRUKTIONEN DER INGENIEUR-HOCHBAUEN. Ein Lehrbuch zum Gebrauche an Technischen Hochschulen und in der Praxis. Von Max Foerster. Third Part. Post Octavo. Illustrated. Leipzig: Wilhelm Engelmann. New York: Gustav E. Stechert, 9 East Sixteenth Street. 1900.

The third part of Prof. Foerster's admirable text-book is devoted to a very thorough discussion of trussed and arched roofs. The clearness and exhaustiveness which characterize Prof. Foerster's work have been more than once mentioned in our reviews of previous parts.

A COMPLETE METRICAL RECKONER. South Omaha, Neb.: Herinann Brothers. 16mo. Pp. 208.

The book is divided into sections from 1 to 100. Folding manila cards at the front and back are turned into place so that any figure from 1 to 100 appears in an aperture which is cut in the card. It is by this means made easy to read off from the calculated weights and measures the exact weight or quantity.

PHOTOMETRICAL MEASUREMENTS AND MANUAL FOR THE GENERAL PRACTICE OF PHOTOMETRY. With Special Reference to the Photometry of Arc and Incandescent Lights. By Wilbur M. Stine, Ph.D. New York: The Macmillan Company. 1900. 16mo. Pp. 270. Price \$1.60.

The rapid extension of the practice of photometrical measurements in this country, and the general interest in standards of illuminating power and allied subjects, evidenced by frequent contributions to technical periodicals and by papers read before the various associations, has been the occasion for the preparation of this work.

TO INVENTORS.

An experience of over fifty years, and the preparation of more than one hundred standard applications for patents at home and abroad, enable us to understand the laws and practice on both continents, and to possess unequalled facilities for procuring patents everywhere.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending

OCTOBER 23, 1900, AND EACH BEARING THAT DATE.

[See note at end of list about copies of these patents.]

Table listing inventions and patent numbers, including items like 'Adding machine, A. Hoch', 'Adhesive composition and making same, W. V. Carter', 'Advertising automaton, C. T. Bradshaw', etc.

Table listing inventions and patent numbers, including items like 'Electrical distribution system, C. I. Young', 'Elevator and carrier, E. C. Berghofer', 'End gate, C. S. Wright', etc.

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