

RECENTLY PATENTED INVENTIONS.
Electrical Devices.

LIGHTNING-ARRESTER.—F. K. SINGER, Wheeling, W. Va. The devices comprise both a fuse and a spark gap, both of which are supported from a base. The fuse is arranged within a vertical tube of fiber through which the fuse passes near the upper end and is connected with a choke coil, the latter in turn having connection with a cross bar provided with a depending champing wing which coats with a line carbon, said carbon and a ground carbon being separated by a disk of mica to produce the spark gap.

Of Interest to Farmers.

POST-HOLE DIGGER.—C. W. VAN DE WALKER and R. T. JENNEY, Two Rivers, Wis. This improvement refers to tree-planter and post-hole diggers. These devices usually comprise a vertical handle provided with a scoop or cutter at its lower extremity, which is adapted to be forced into the ground and enables the dirt to be removed. The object is to provide a construction for the cutter and means for operating the same with a view to increasing the efficiency of the device in raising the earth from the hole.

Of General Interest.

MEMORANDUM-BOOK.—J. J. HOEY, New York, N. Y. It is expected that the invention will be most useful for keeping small memoranda which would be of temporary character and which would be torn from the book in a short time. Where an ordinary note-book would be used for making entries of this kind, these entries would be scratched off from time to time, and considerable time would be consumed in looking through the pages to find a particular memorandum. The special purpose is to facilitate the finding of memoranda which are still useful and preserved in the book.

OIL-PRESS.—J. C. RICHARDSON, Altonpark, Tenn. This invention relates to continuously-acting presses of the type employing an endless chain of press-boxes and a similar chain of boxes and followers being arranged on suitably-supported driving rollers or drums. The object is to provide a press of this general character involving novel and simplified construction adapted for effecting new and improved compressing action over all similar continuously-acting endless-chain presses.

CAT-GUARD.—F. H. PALMER, New York, N. Y. In this patent the object of the invention is the provision of a new and improved cat-guard more especially designed for use on the top of fences, railings, and like structures for preventing cats and other animals from using or crossing the structure.

FURNITURE-DISPLAY RACK.—C. MC-CLOSKEY and J. McLAUGHLIN, Sedalia, Mo. The rack comprises vertical standards spaced apart and having horizontal feet for supporting them. Bars connect their upper ends and are spaced apart and adapted for vertical adjustment on the standards, and brackets having horizontal and vertical members. The former are provided with hooks to engage the top bar, the horizontal members projecting laterally from the top bar to adapt them to support articles of furniture, the vertical members bearing against the lower cross-bar of the frame. The brackets may be placed at different distances from each other, or the ends of the frame.

CONVEYING DEVICE.—I. E. BENDICKSON, Cambridge, Wis. While capable of general use the device is especially adapted for application to a trolley system for cleaning out stables and for similar purposes. Principal objects are to provide a construction of frame for supporting a carrier mounted in such a manner as to be easily dumped and formed in such a way as to readily discharge all material therefrom when moved to dumping position. Means provide for controlling the dumping of the carrier and for keeping the frame on the trolley-track.

Heating and Lighting.

GRATE.—O. E. HALDERMAN, Marion, Ind. Mr. Halderman's invention relates to grates, and has for its principal objects the provision of a strong and durable device, which may be efficiently operated. The spaces between the successive bars are entirely unobstructed and the supporting shaft and arms are so located as not to be subjected to extreme heat, therefore rendering the structure more durable.

Household Utilities.

MEAT-ROASTER.—D. G. WALKER, Lindsay, Neb. In this patent the invention has reference to culinary vessels; and its object is the provision of a new and improved meat-roaster arranged to insure automatic and proper basting of the meat without loss of the meat-juices and the basting fluid used.

SAD-IRON.—F. W. KELLERMAN, Weymouth, Mass. This inventor employs an iron having a body within which is supported a movable horizontal partition dividing the interior of the body into an upper and forward chamber and a lower combustion-chamber, in which latter is mounted a vapor-burner. Supported in the upper chamber is a vapor-generator in communication with which is a conductor for the vaporizable fluid leading from the supply-tank for such fluid, suitable valves being employed to regulate the passing of the fluid to the

conductor, as well as the passing of the generated vapor to the burner.

Machines and Mechanical Devices.

COMBINED DRILLING AND BOLT-CUTTING MACHINE.—K. C. DAVIS, Ely, Nev. The machine is intended for general jobbing work in drilling or screw-cutting on bolts, rods, or the like, a prominent feature residing in a novel tool carrier of tubular form and having elongated exterior grooves or teeth. The upper end of the tool holder is vertically movable in sleeves supported from the spindle of a drilling machine, and the elongated teeth are continually in mesh with a driving pinion on the spindle; the arrangement being such that the tooth holder can be adjusted readily according to the size and character of blank being operated upon.

Railways and Their Accessories.

AIR-BRAKE APPLIANCE.—H. C. LUCK, Telluride, Col. In this patent the invention has reference to fluid-pressure brakes for railroad trains; and its object is the provision of a new and improved air-brake appliance arranged to automatically set the brakes in the train in case any one of the cars in the train becomes derailed.

CAR-COUPLING.—C. MCCARTER, Indianapolis, Ind. The device is of the Janney type and its features adapt the coupling for a reliable automatic coupled engagement with a similar coupling, enable the quick and safe detachment of two of the couplings and provide means for an automatic release of two couplings on adjacent cars in a moving train if the fastenings of either of the coupled car-couplings become loosened and liable to detachment, thus severing the train and avoiding accidental derailment of a portion that might result if the loose coupling fell upon the track.

NOTE.—Copies of any of these patents will 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.

Business and Personal Wants.

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Forbridge erecting engines. J. S. Mundy, Newark, N. J.

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Inquiry No. 7982.—For manufacturers of engine for self-threading or automatic needles both for hand and machine sewing.

The celebrated "Hornby-Akroyd" Patent Safety Oil Engine is built by the De La Vergne Machine Company, Foot of East 138th Street, New York.

Inquiry No. 7983.—Wanted, addresses of American poultry exporters.

Manufacturers of patent articles, dies, metal stamping, screw machine work, hardware specialties, machinery tools, and wood fiber products. Quadrangular Manufacturing Company, 18 South Canal St., Chicago.

Inquiry No. 7984.—For manufacturers of metal tips for pen holders (that is, the part the pen goes in), also who make and sell celluloid of various colors, widths and lengths, $\frac{1}{2}$ to $\frac{1}{4}$ of an inch thick.

Inquiry No. 7985.—For manufacturers of confetti machines for cutting paper.

Inquiry No. 7986.—For manufacturers of gazing globes for gardens. (It is a globe made of looking glass.)

Inquiry No. 7987.—For manufacturers of X-ray outfit for examining the insulation of electric cables.

Inquiry No. 7988.—For manufacturers of machinery for making fireworks.

Inquiry No. 7989.—For manufacturers of microphones (telephones) for submarine purposes, such as are used on the steamers on Hamburg-American Line to detect approaching steamers when night or in foggy weather.

Inquiry No. 7990.—For manufacturers of apparatus for extracting sap (juice) of the rubber tree, not for preparing the rubber, but for tapping the juice from the trees.

Inquiry No. 7991.—For manufacturers of small chain, steel, aluminum or other sort.

Inquiry No. 7992.—For manufacturer of machine of the type of a general joiner to make tenon and cut moldings, and with a band saw combined; a general purpose machine for hand power.

Inquiry No. 7993.—For manufacturers of lightest, strongest material for airship cages carrying motor and load.

NEW BOOKS, ETC.

PERPETUAL ECCLESIASTICAL CALENDAR. Showing the Dates of the Principal Feasts of the Church's Year. By Clarence E. Woodman, Ph.D., Knight of the Royal Order of Isabella the Catholic. New York: The Columbian Press, 1905. Price, 25 cents.

This pamphlet shows by simple inspection of tables the dates of the principal feasts of the Christian era to the year 4499, with rules for unlimited extensions. It is an excellent example of the practical use of mathematics.

ART OF TYPEWRITING. Being Practical Instruction with Graduated Exercises and Model Examples Suited to Any Machine and Including a Method of "Touch" Writing. By George Carl Mares. London: Guilbert Pitman, 1905. 18mo.; pp. 182. Price, \$1.

The typewriter stands pre-eminent among the devices evolved for relieving the strain upon the time and labor of those engaged in the world's commerce. The typewriter, being as it were an antidote to the feverishness of life, and serving as a tonic to the busy man, may be aptly regarded as a restorative. To get the best results from any medical preparation it is desirable that its constituent parts should be known, that the manner of taking it, and how best to nourish its action, should be studied. Treating business life as an ailment, and the typewriter as a specific, the author brings forward this extremely useful book.

INDEX OF INVENTIONS

For which Letters Patent of the

United States were Issued

for the Week Ending

March 20, 1906.

AND EACH BEARING THAT DATE

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

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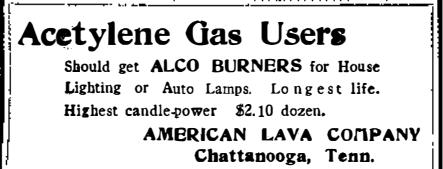


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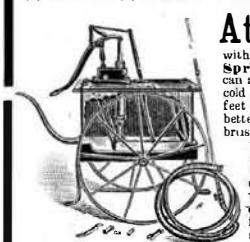
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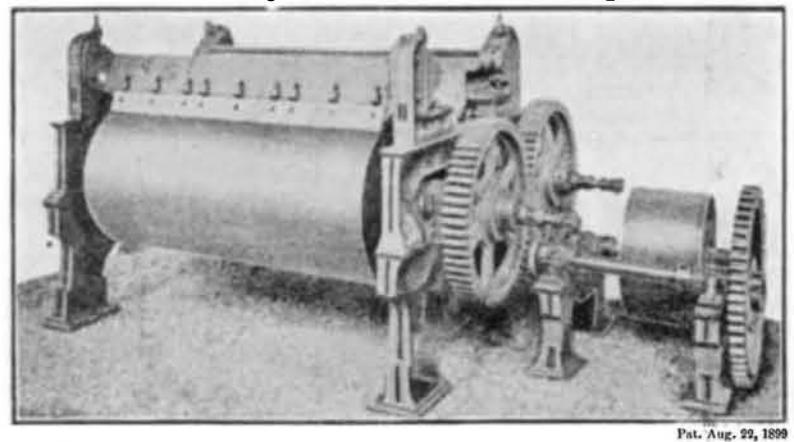
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