

RECENTLY PATENTED INVENTIONS.

Agricultural Machinery. COMBINED HARROW AND SEED PLANTER.—A. C. PALMER, West Union, Iowa. In this machine the seed-planting mechanism may be combined with harrow devices...

Electrical Contrivances.

STARTING DEVICE FOR ELECTRIC MOTORS.—T. M. PUSEY, Kennett Square, Pa. The invention relates to improvements in devices for starting electric motors, the object being to provide a simple automatic means for regulating the flow of current in starting the machine...

ELECTRIC MOTOR OR GENERATOR.—J. A. TITZEL, Sr., Franklin, Pa. Mr. Titzel's invention relates to electric devices capable of use either as motors or as generators and has for its object to provide a construction by which a strong, and uniform magnetic field is obtained...

STORAGE BATTERY.—H. P. KING, Os-good, Ind. The design of this storage battery is neat and compact and of such form as to combine the highest efficiency with the greatest economy of space.

ALARM DEVICE FOR TANKS.—M. KUBITZKY and R. B. STEWART, New York, N. Y. These inventors have produced an economic form of electric alarm, especially adapted for use in connection with drip-pans, tanks, wash-tubs, and other receptacles...

Mechanical Devices.

ESCAPEMENT FOR TIMEPIECES.—F. H. VOIGT Philadelphia, Pa. The object of this invention is to provide certain improvements in escapements for watches, clocks and other timepieces whereby the action of the escapement is rendered more positive and the friction of the working parts is reduced to a minimum...

SAWING APPARATUS.—J. A. BRINES, Fresno, Cal. The apparatus comprises an essentially U-shaped frame around which an endless saw is adapted to travel. The frame is adapted to swing from a center, so as to bring the saw into proper sawing position.

VALVE MECHANISM.—OLE SWENSEN, Sr., Cresco, Iowa. Means are provided in this invention for removing grit from a valve-seat and permitting the valve to be reground without necessitating its removal from its mounting.

DUMPING VEHICLE.—G. R. WERNER, Colby, Kans. This dumping vehicle belongs particularly to that class used in connection with a grain header. The invention provides a device of this character which will operate to dump the grain on the ground in even rows...

APPARATUS FOR USE IN RAISING WRECKS.—T. JOHNSON and C. JACOBSON, Chinook, Wash. The invention belongs to that class of apparatus employed for raising wrecks in which hoisting devices are applied to some form of float and connected with chains adapted to be passed around the submerged wreck.

COTTON-PRESS.—W. H. MEXON, Columbia, La. This cotton-press is provided with an improved bale-box revolvably supported on a frame in an improved manner.

BORING AND TENONING MACHINE.—A. A. KACH, Montezuma, Iowa. The invention provides an improved boring and tenoning machine which is of simple and durable construction and may be easily manipulated to accurately form tenons on the ends of wheel spokes and to bore fellicies and other articles.

TURN-TABLE FOR USE IN MINES.—W. L. EPPERS and J. HAMILTON, Mount Washington, Md. These inventors have provided an apparatus by which the shaft cars may be transferred to and from the galleries or levels with ease and rapidity...

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.

READ THIS COLUMN CAREFULLY.—You will find inquiries for certain classes of articles numbered in consecutive order. If you manufacture these goods write us at once and we will send you the name and address of the party desiring the information.

Marine Iron Works, Chicago. Catalogue free. Inquiry No. 3280.—For parties to manufacture electro-magnets and cores of special design.

Automobiles—Duryea Power Co., Reading, Pa. Inquiry No. 3281.—For the makers of "Pegulose" or similar article for waterproofing paper.

"U. S." Metal Polish, Indianapolis. Samples free. Inquiry No. 3282.—For makers of headed wire pins (tempered) for perforating machines.

Dies, tools, models. Am. Hardware Co., Ottawa, Ill. Inquiry No. 3283.—For makers of dust pans.

Coin operated machines. Willard, 284 Clarkson St., Brooklyn. Inquiry No. 3284.—For the manufacturers of a combined shirt and collar ironer.

Handle & spoke mchy. Ober Mfg. Co., 10 Bell St., Chagrin Falls, O. Inquiry No. 3285.—For makers of oil burners for furnaces, heaters, etc.

Sawmill machinery and outfits manufactured by the Lane Mfg. Co., Box 13, Montpelier, Vt. Inquiry No. 3286.—For makers of mills for grinding wood.

Sheet, bar, rod or wire, cut, formed, any shape. Metal Stamping Company, Niagara Falls, N. Y. Inquiry No. 3287.—For dealers in Kieselguhr.

Machinework of every description. Jobbing and repairing. The Garvin Machine Co., 149 Varick cor. Spring Sts., N. Y. Inquiry No. 3288.—For dealers in dividing engines.

Manufacturers of patent articles, dies, stamping tools, light machinery. Quadriga Manufacturing Company, 18 South Canal Street, Chicago. Inquiry No. 3289.—For manufacturers or dealers in wire netting.

The largest manufacturer in the world of merry-go-rounds, shooting galleries and hand organs. For prices and terms write to C. W. Parker, Abilene, Kan. Inquiry No. 3290.—For a machine for shelling peas by hand power.

We manufacture anything in metal. Patented articles, metal stamping, dies, screw mach. work, etc. Metal Novelty Works, 43 Canal Street, Chicago. Inquiry No. 3291.—For dealers and manufacturers of asbestos goods.

The celebrated "Hornsby-Akroyd" Patent Safety Oil Engine s built by the De La Vergne Refrigerating Machine Company. Feet of East 138th Street, New York. Inquiry No. 3292.—For manufacturers or dealers in machines for manufacturing indurated fiber wire from wood pulp.

WANTED.—First-class machinery draughtsman. One with gas engine experience preferred. Address giving references. To Holland Torpedo Boat Company, New Suffolk, Long Island, N. Y. Inquiry No. 3293.—For manufacturers of sugar grinding mills.

WANTED.—Engineer, carrying first-class license, to take charge of power plant and general power machinery in factory. Must be experienced man. Salary \$25 to \$30 per week. Apply 91 Front Street, Brooklyn. Inquiry No. 3294.—For manufacturers or dealers in rubber novelties, such as balloons, rubber balls, etc.

Gasoline Automobile Batteries. William Roche's "Autogas" used properly will carry vehicle twice as far as any other battery of same weight. William Roche, inventor and manufacturer, 42 Vesey Street, New York, N. Y., U. S. A. Inquiry No. 3295.—For an electro-plating outfit.

WANTED.—Capable instructor in scientific studies. Salary \$1,800 per annum. Must be first a man of character. Fair knowledge of science. Address John Brisben Walker by letter only, with references, Room 180 Times Building, New York. Inquiry No. 3296.—For machinery for making tin fruit and jam jars.

WANTED.—Parties to carry out and pay all expenses in patenting automatic pump for pneumatic tires. Half interest given. Address J. H. M. Michon, Sharon, North Dakota. Inquiry No. 3297.—For manufacturers of double-acton water pumps.

Inquiry No. 3298.—For manufacturers of incandescent gasoline lamps. Inquiry No. 3299.—For manufacturers of cook stoves using coal oil or gasoline as fuel.

Inquiry No. 3300.—For manufacturers of self-heating flat irons. Inquiry No. 3301.—For manufacturers of engines of about 100 horse power using oil as fuel.

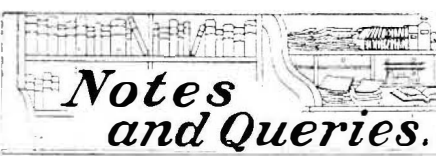
Inquiry No. 3302.—For manufacturers of the Columbia ether. Inquiry No. 3303.—For manufacturers of soft sheet rubber.

Inquiry No. 3304.—For manufacturers of collar buttons. Inquiry No. 3305.—For manufacturers of the small hand mirror with puzzle on back.

Inquiry No. 3306.—For a plant for the manufacture of steel freight cars. Inquiry No. 3307.—For manufacturers of wooden hand rakes.

Inquiry No. 3308.—For dealers in dried herbs and roots. Inquiry No. 3309.—For manufacturers of a machine for winding telephone magneto coils.

Inquiry No. 3310.—For machines for cutting straw for bushel baskets.



HINTS TO CORRESPONDENTS.

Names and Address must accompany all letters or no attention will be paid thereto. This is for our information and not for publication. References to former articles or answers should give date of paper and page or number of question.

(8722) K. T. asks: 1. Is it possible to synchronize a dynamo and a motor, the latter run by the former, with reliability as to small variations of speed? A. The single-phase motor must closely synchronize with the dynamo which furnishes the current.

(8723) W. A. B. asks for a formula for glaze or glazing used in the manufacture of candles and crackers. A. Boil sugar and water to a point just before it will pull out stringy between the fingers. Dip in this solution.

(8725) C. R. says: If I were to take a cannon 3 inches in diameter and 1 inch bore and fit a screw cap firmly on the mouth of it, and then explode a piece of guncotton within, while the cap is screwed on: 1. Would the cannon burst? A. Plugging up a cannon charged with guncotton is a dangerous experiment.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending October 14, 1902, AND EACH BEARING THAT DATE.

Table listing various inventions and their corresponding patent numbers, including items like Accumulator, Acid and making same, Adding machine, and many others.

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