RECENTLY PATENTED INVENTIONS.

Agricultural Implements.

COTTON-CHOPPER.—A. D. EZZELL, Clinton, N. C. By a novel construction the machine first mashes down the portion of the row it is desired to chop and then cuts the mashed portions down. A harrow is provided at the rear of the chopper to harrow the cotton after it is chopped.

GANG-PLOW.—H. BRYAN, Modesto, Cal. The problem in gang plows has been to provide a draft attachment which could be securely locked in any adjustment and yet possess due strength and durability without too great weight of parts. Mr. Bryan's new plow is especially designed to meet this problem. The attachments are few in number and of inconsiderable weight, while the adjustment may be made with facility and the lock is perfectly secure.

GRAIN OR SEED SEPARATING DEVICE.—J. E. HILL and W. W. BROWER, Meservey, Iowa. The separating device is so constructed that a separating cylinder is employed in connection with spring risers secured to a vibrating or agitating grain table, the cylinder being of such character that it will not clog and will cause the straw to move freely to the rear end of the machine, while through the combined action of the cylinder and risers the grain is quickly and effectually shaken from the straw.

Miscellaneous Inventions.

GAS LIGHTER.—R. E. JÄHNIG, New York, N. Y. The gas lighter proper consists of a number of wires which are twisted together at one end and secured to a socket, the outer ends being laid in the notches of a comb-shaped cross member. At the inner end the wires carry a body of finely divided platinum. An apertured hood protects the wires. When the gas is turned on the finely divided platinum absorbs the gas so energetically as to become itself incandescent, thus igniting the gas.

APPARATUS FOR PRESERVING FRUITS OR VEGETABLES.—KATHRYN M. KEISER, Walshville, Ill. The improved apparatus provides for the reception of closed vessels adapted to contain fruits or vegetables. These vessels are exposed to the heating action of steam which is supplied from a steam tank in a manner to minimize loss or waste. The escaping steam is retained in a condenser and returns to the tank.

SETTING INSTRUMENT.—M. CHAMBERLAIN, Bartley, N. J. The object of the invention is to provide a means for setting the cutting edge of a square-nosed tool level in a planer or like machine, to insure accurate cutting of a key seat, and to allow of setting the instrument quickly for cutting the seat to any desired width.

MANUFACTURE OF HANDLED GLASSWARE.—H. BASTOW, Steubenville, Ohio. The invention provides means for casting handles directly upon the bowl or body of the glassware to insure homogeneity between the body and the handle. The body and handle are molded from the same mass, the handle being integral with the body at opposite points thereof and extending approximately parallel with the upper edge. The glassware is then reheated and the handle bent to extend transversely to the body in a vertical plane.

HOISTING GEAR.—F. V. NIELSEN, San Francisco, Cal. By using this gear the cargo can be readily lifted from the hatch and delivered clear of the ship's side. In many large vessels the distance from the mast to the center of the hatch is considerably less than the distance to the ship's side, so a guide for the lifting-rope, which will direct such rope to the center of the hatch, will not direct the rope to the side of the ship to deliver the cargo from the hatch. This invention provides guide devices to the lift-rope whereby the same may be adjusted relatively to the mast, so that it will operate centrally over the hatch and will also clear the ship's side.

PIPE-CLEANER.—J. L. STEITZ, Chicago, Ill. The cleaner is designed to thoroughly cleanse the pipe or draft-tube after a barrel or keg is empty, to keep the pipe as sweet as possible. A self-closing supply valve, which is connected with the supply of cleansing liquid under pressure, is arranged to receive the tapping-tube which, when forced downward, opens the valve and permits the cleansing liquid to flow through the tapping-tube and the parts connected therewith.

PLUMBING AND TANNING PROCESS.—S. SAXE, New York, N. Y. The process consists in subjecting the hides first to weak and then to progressively stronger solutions, containing both a commercial tanning extract and an extract of natural bark, and also containing a commercial lactic acid.

COMPOSITION OF MATTER.—F. JONES and C. L. PENNELL, Massillon, Ohio. These inventors have invented a composition which consisted preferably of 25 per cent of peat or vegetable soil, 50 per cent of clay, 20 per cent of straw, 1 per cent of tar, 1 per cent of soda ash, and 3 per cent of lime. This mixture is applied to a core bar and dried in an oven, when it may be used as a core for casting pipes and other tubular articles.

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.

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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. **In every case it is necessary to give the number of the inquiry.**

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For mining engines. J. S. Mundy, Newark, N. J.

Inquiry No. 2398.—Wanted, addresses of firms manufacturing clothes pegs and pins.

Motor Vehicles. Duryea Power Co., Reading, Pa.

Inquiry No. 2399.—For parties to make a lead pencil attachment 1 inch long with rough outside surface.

"U. S." Metal Polish. Indianapolis. Samples free.

Inquiry No. 2400.—For manufacturers of porcelain tubes for gas engine spark plugs.

WATER WHEELS. Alcott & Co., Mt. Holly, N. J.

Inquiry No. 2401.—For dealers in electric and combination fixtures.

Handle & Spoke Mchy. Ober Mfg. Co., 10 Bell St., Chagrin Falls, O.

Inquiry No. 2402.—For dealers in house wiring supplies.

WANTED.—Sole agency, Pacific coast, good article. Have capital. Box 856, Fresno, Cal.

Inquiry No. 2403.—For manufacturers of small motors (gasoline preferred) suitable for invalids' automobiles.

Sawmill machinery and outfits manufactured by the Lane Mfg. Co., Box 13, Montpelier, Vt.

Inquiry No. 2404.—For parties to manufacture a special envelope.

Rigs that Run. Hydrocarbon system. Write St. Louis Motor Carriage Co., St. Louis, Mo.

Inquiry No. 2405.—For dealers in envelope dies.

Patented articles, principally of cast iron, made and introduced. Atlantic Foundry, Phillipsburg, N. J.

Inquiry No. 2406.—For parties engaged in the rolling and polishing of copper.

Are you looking for anything in bent woodwork? Write Tucker Bicycle Woodwork Co., Urbana, Ohio.

Inquiry No. 2407.—For makers of castings for small steam engines of 2½ h. p.

We design and build special and automatic machinery for all purposes. The Amstutz-Osborn Company, Cleveland, Ohio.

Inquiry No. 2408.—For a small tongue or groove plane to cut a groove of ⅛ or less in a ¼-inch board.

For Machine Tools of every description and for Experimental Work call upon Garvin's, 149 Varick, cor. Spring Streets, N. Y.

Inquiry No. 2409.—For manufacturers of brick press or machines.

Progressive capitalist, interested in the solution of the aerial navigation problem, communicate with J. V. Janin, Seattle, Wash.

Inquiry No. 2410.—For dealers in electric elevators.

Factory room with power, steam, elevator, etc.; good light, also storage room. Chas. F. Kilburn, 84, 86, 88 Mechanic Street, Newark, N. J.

Inquiry No. 2411.—For a burner for brazing with crude oil and air pressure.

FOR SALE.—To party direct, for cash, patent 608,925 on folding umbrellas. No selling agencies need answer. M. R. Studams, Bridgeton, N. J.

Inquiry No. 2412.—For manufacturers of cheap motors.

FOR SALE.—Patent for "Vaporizer." T is is O. K. and reasonable every way. G. F. Dyer, Manchester, Mass., Inventor and Patentee.

Inquiry No. 2413.—For dealers in electric novelties.

Manufacturers of patent articles, dies, stamping tools, light machinery. Quadriga Manufacturing Company, 18 South Canal Street, Chicago.

Inquiry No. 2414.—For candy making machinery, such as lozenges, etc.

Designers and builders of automatic and special machines of all kinds. Inventions perfected. The W. A. Wilson Machine Company, Rochester, N. Y.

Inquiry No. 2415.—For the manufacturers of an attachment for spoons to avoid slipping into dishes, also for the makers of a spoon with a perforated bowl for mixing batter, etc.

ELECTRIC DRY BATTERY.—Manufacturers submit free samples with casting qualities. Quote prices for quantities. Darling Motor Company, Chicora, Pa.

Inquiry No. 2416.—For manufacturers of coffee roasters.

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

Inquiry No. 2417.—For the address of Morton Evans & Co., makers of gasoline traction gear.

IDEAS DEVELOPED.—Designing, draughting machine work for inventors and others. Charles E. Hadley, 584 Hudson Street, New York.

Inquiry No. 2418.—For makers of gasoline fuel marine steam engines and boilers 1 to 4 h. p.

Wanted—Revolutionary Documents, Autograph Letters, Journals, Prints, Washington Portraits, Early American Illustrated Magazines. Correspondence Solicited. Address C. A. M. Box 773, New York.

Inquiry No. 2419.—For machinery for making a feed brick under pressure.

LAUNCH DESIGNS AND WORKING DRAWINGS FOR SALE.—Special designs made to order. Send stamp for booklet of designs of modern gasoline launches.
Harry J. Perkins, Naval Architect.
Grand Rapids, Mich.

Inquiry No. 2420.—For makers of hydraulic brick and clay working machinery.

WANTED.—A thoroughly reliable man to manage Steam Specialties Department in large wholesale house. Must be sober, competent and experienced. Give age, experience, references and salary expected. Address Box 482, New Orleans, La.

Inquiry No. 2421.—For makers of pocketbook rims and clasps.

Inquiry No. 2422.—For manufacturers of double automatic yard gates.

Inquiry No. 2423.—For a 20 to 25 h. p. traction engine for use on country roads for hauling freight.

Inquiry No. 2424.—For manufacturers of cheap clockwork to drive movable paper figures for advertising.

Inquiry No. 2425.—For parties to manufacture special machines.

Inquiry No. 2426.—For manufacturers of paper novelties, such as spoons with hollow handles, etc.

Inquiry No. 2427.—For dealers in second-hand belting.

Inquiry No. 2428.—For manufacturers of small refrigerating plants suitable for residences.

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Inquiry No. 2430.—For a dynamo for 100 to 150 incandescent lights; also an engine for pumping water and running dynamo.

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