

RECENTLY PATENTED INVENTIONS.

Electrical Devices. ELECTRIC-LIGHT-CIRCUIT PROTECTOR.—S. KALBACH, Wildwood, N. J. The invention relates to means for preventing interruption in the current fed to electric lamps...

Of Interest to Farmers.

WINDROWER.—H. M., L. A. and J. A. MUELLER, White Lake, S. D. In this case the object is to provide a windrower or bunching attachment for mowing-machines...

PENCIL-POST.—C. H. LEWIS and C. BOOK, Harpster, Ohio. The construction of this post comprises a main upright with a brace extending downward therefrom...

GRAIN-DRILL.—R. D. BROWNING, Orange, Va. The object in this instance is to provide means for regulating the depth that the disks of disk-drills shall run in the ground...

Of General Interest.

SPRING BED-BOTTOM.—S. H. ANDERSON, Vandergrift, Pa. In this case the invention relates to spring bed-bottoms, the more particular object of the inventor being to produce a seat form of such a device made so as to fold...

SAFETY-LOCK FOR GAS FIXTURES.—E. H. SHUTE, Chicago, Ill. The object of the invention is to provide a locking device for the valve or cock of a gas-fixture which will automatically lock the plug or key of the cock in closed condition...

REFRIGERATOR.—J. M. DÖPPEL, New York, N. Y. This refrigerator is so constructed that while it is packed with a non-heat-conducting material a perfect circulation of air will be obtained around both sides of the packed section...

FOLDING BOX.—M. HIRSCH, New York, N. Y. In this patent, the invention refers to improvements in foldable boxes; and one of the objects in view is the provision of a one-piece blank adapted to be cut or stamped from suitable paper-stock without waste of materials...

CUSHION FOR DOUCHE-PANS.—HARRIET E. FELTS, Jersey City, N. J. One object in view in this case is to provide a padded cushion which promotes the comfort of a sick person during the service of the pan by affording a soft pad whereon the body may rest without coming in contact with the hard material...

SUSPENSORY BANDAGE.—E. R. DRAKE, De Land, Fla. Mr. Drake's invention is an improvement in that class of bandages in which an elastic leg-band is employed, the leg-band being connected with the scrotal bag and also with the body band...

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. 5381.—For parties engaged in manufacturing small wooden novelties to order...

U. S. Metal Polish, Indianapolis. Samples free. Inquiry No. 5383.—For manufacturers of old-style cut-offs for slide-valve engine on steamboat...

WANTED.—Manufacturer to make a patent hollow-tooth hair-drying comb of aluminum or other light metal. A. F. Mott, 65 Clarkson St., Flatbush, L. I.

Inquiry No. 5389.—For makers of elastic webbing such as used in suspenders. Fine machine work of all kinds. Electrical instruments a specialty...

Inquiry No. 5390.—For dealers in rubber stamp-making outfits. Inquiry No. 5391.—For parties who can furnish odds and ends in brass, sheet, strip and wire...

Inquiry No. 5392.—For manufacturers of rubber suction levers used to hang cards, jewelry, etc. on show cases, panes of glass, etc.

Inquiry No. 5393.—For manufacturers of a machine that will clean cotton of sticks and straws. In buying or selling patents money may be saved and time gained by writing Chas. A. Scott, 340 Cutler Building, Rochester, New York.

Inquiry No. 5394.—For parties to manufacture clocks of special construction. Manufacturers of patent articles, dies, metal stamping, screw machine work, hardware specialties, machinery and tools.

Inquiry No. 5395.—For manufacturers of pails, tubs and kegs which will hold a penetrating grease. Wanted by a manufacturer owning his own plant with both wood and metal-working machinery...

Inquiry No. 5396.—For a firm who manufactures snap buttons and other novelties. The Household Sewing Machine Co., Providence, R. I., is prepared to take on contracts for the manufacture of high grade mechanical apparatus...

Inquiry No. 5397.—For manufacturers of calcium carbide. Inquiry No. 5398.—For a machine to pick sponges in small pieces without cutting them.

Inquiry No. 5399.—For manufacturers of cheap toys and games. Inquiry No. 5400.—For makers of castings for gasoline engines 3/4 to 1 h. p., suitable for amateurs' use.

Inquiry No. 5401.—For a heavy spring motor with governor to run a light machine. Inquiry No. 5402.—For makers of machinery to make stove pipe.

Inquiry No. 5403.—For machines for preparing cotton for surgical dressing. Inquiry No. 5404.—For machines for making pens and pen holders.

Inquiry No. 5405.—For information regarding cost, etc., of small ice-making machinery, capacity of plant 500 pounds in 5 hours' run. Inquiry No. 5406.—For parties engaged in the manufacture and installation of electric light plants.

Inquiry No. 5407.—For quotations on water motors. Inquiry No. 5408.—For makers of steel tanks to hold 25 cubic feet to stand 600 pounds' test and high pressure pumps to pump 300 pounds.



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.

(9364) C. M. M. asks: 1. Will an explosion of gasoline in a cylinder 2 1/2 inches long by 3 inches bore, standing vertically, lift or throw a piston weighted to 250 pounds 6 feet high? A. The total explosive force in a cylinder as stated depends upon the volume of explosive mixture contained in the cylinder...

(9365) F. S. writes: It seems to be the common impression in this vicinity, and among people that ought to be informed in the matter, that the older an incandescent electric light becomes, or rather the longer it is used, the more current will it consume...

(9366) C. W. Stuart & Co. ask: Will you please tell us what two metals would best be used in combination to make a thermostat? That is, we want the metal that expands the most with heat and one that contracts (if there is such a one)...

dizing action on the filament. A perfect vacuum is not made because a perfect vacuum is not a possibility. There has never been one made by a pump. We cannot decide the puzzle whether black is a color or not.

(9368) H. F. G. says: A gas company sells natural gas for purposes of heat at 30 cents per thousand cubic feet at a pressure of 4 ounces. If for various causes the same is furnished at a pressure of 1 ounce instead of 4 ounces, what is the gain or loss in heat units to the consumer?

INDEX OF INVENTIONS For which Letters Patent of the United States were Issued for the Week Ending April 5, 1904.

Table listing patent numbers and titles for various inventions, including Acetylene generating apparatus, Adding machine, Air brake, Ammunition hoist, and many others.