

RECENTLY PATENTED INVENTIONS.

Of Interest to Farmers.

HEAT-REGULATOR.—C. F. RUKES, Springfield, Mo. In this case when the temperature in the burner exceeds a predetermined value, the bars will expand, bowing further outward, thus extending the lazytongs which will move the valve lever, decreasing the supply of fuel. Should the incubator become too cool, the bars will contract, thus shortening the lazytongs and move the lever in the opposite direction, to increase the supply of fuel.

STALK-CUTTER.—F. P. CHAPA, Eva, Texas. In operation the machine is driven through the field between adjacent rows of stalks which are severed by the engagement of the sharp edge of the blade therewith. The rear end of each of the blades is curved outwardly, so that should a stalk be pushed outwardly by the inclined portion of the blade, it will be engaged by the outwardly bent portion. Means permit the side members of the frame to yield inwardly, should they or the blades engage unyielding objects. The arrangement of blades also permits their easy removal for sharpening or inserting new blades.

FERTILIZER-DISTRIBUTER.—J. K. GOURDIN, Pineville, S. C. In this case the invention pertains particularly to an improved arrangement of means for discharging fertilizer from the hopper, and to improved means for effecting the broadcast distribution of the fertilizer after discharge from the hopper. Means provide for adapting the machine for distributing fine, coarse, or lumpy, and also for distributing cotton seed.

Of General Interest.

ATTACHMENT FOR TOBACCO-PIPES.—W. E. FRAZEE, Perham, Minn. The object of the invention is to provide a device inexpensive to manufacture, which will cause the tobacco in the pipe to burn slowly and evenly in the wind, and which will obviate the danger of burning ashes being blown back into the face of the smoker.

ATTACHMENT FOR ANIMAL-TRAPS.—M. GRAVATT, Port Royal, Va. This invention has reference to attachments for use in animal traps, and more particularly such as are adapted to be used as securing means for holding saplings or the like, to which traps have been attached, in bent positions until released by the struggles of the animals caught in the traps.

COMBINED RACK AND HOLDER.—O. M. HARDING, Winona, Miss. The purpose here is to provide a construction which affords a compact, neat filing cabinet which is portable, that may be placed upon a desk or table for convenient service, which affords separate receptacles for letters, stationery materials and other desk furniture, and provides separate supports for rubber stamps that may be a part of the desk equipment.

SIGN.—J. IGELSTROEM, Massillon, Ohio. The sign is of pyramidal form and adapted to be supported upon the counter or in the show window of a store, or suspended from a chandelier or other fixture, the object being to produce a sign that may be shipped or transported flat and occupy the minimum space, but which may be readily folded to present advertising matter to persons viewing the sign from any direction.

GUN-SIGHT.—G. M. WANEE, Red Bluff, Cal. The invention relates more particularly to covered or tubular sights. An object is to provide a sight which will not only permit the operator to see the entire object at which he is shooting, but will also permit him to take a fine sight of any special part thereof. It can be readily taken apart for cleaning or reversing of the partition.

Prime Movers and Their Accessories.

PACKING-RING EXPANDER.—W. H. RICHARDSON, Brunswick, Ga. This practical device will afford convenient and easily operated means, that may be readily engaged with a split resilient packing ring, and by adjustment thereof quickly and evenly expand the engaged ring, so that it may be slipped upon the periphery of a piston, and when in place be released for its sliding introduction into the channel it is to be seated in.

Railways and Their Accessories.

RAILROAD-CROSSING.—G. P. KEITH, Rochester, Ind. The crossing can be quickly and conveniently adapted for use in connection with an adjacent railroad crossing, without one interfering with the other, since the rails of one crossing are elevated above the rails of the other, an opening of sufficient width being provided in the upper track to enable trains to pass upon the lower track.

Pertaining to Vehicles.

SPEED-RECORDER.—G. A. LEE, New York, N. Y. This recorder is more especially designed for use on automobiles and other vehicles, and is arranged to graphically produce and display to the occupant of the vehicle, the speed at the time, and to form a permanent record of the speed of the vehicle while the latter is running, the record showing the time, mileage, and speed per hour.

BOLSTER AND STANDARD FOR WAGONS.—C. M. SHOTWELL, Fossil, Wyo. The invention is an improvement in bolsters, and the object is to provide adjustable standards which

may be arranged to fit different widths of beds or of articles carried on the bolster or which may be inclined with respect to the bolster for supporting hopper shaped beds and the like.

TIRE-PROTECTOR.—G. C. HOSKIN, Le Mars, Iowa. An object in this invention is to provide a flexible tire protector constructed to obviate any danger of the tires becoming punctured by sharp stones, nails, glass, or the like. Further, to provide a protector that eliminates all danger of skidding on slippery roads or pavements, and which increases the tractive efficiency of the driving wheels.

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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INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending February 23, 1909,

AND EACH BEARING THAT DATE [See note at end of list about copies of these patents.]

Table listing various inventions such as 'Acid, converting catechin into a catechu tannic, Osborne & Schupp', 'Advertising device, J. W. Phelps', 'Aerial vessel, C. J. Lake', etc., with corresponding patent numbers.

Table listing various inventions such as 'Cars and other vehicles, pedal guard for motor, A. J. Last', 'Carbide, manufacture of silicon, F. J. Toney', 'Carburetor, W. Eckert', etc., with corresponding patent numbers.

Table listing various inventions such as 'Fence stretcher clamp, woven wire, W. Hopper', 'Fence stretcher, wire, W. Hopper', 'Ferrule, plumber's, J. R. Donnelly', etc., with corresponding patent numbers.