

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.

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.

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.

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.

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Table listing various items for sale with prices, such as 'Washing device, A. B. Moon' for \$13.533, 'Washing machine, T. C. Josselyn' for \$13.506, etc.

DESIGNS. Table listing various designs with prices, such as 'Badge, F. Hughes' for \$39.833, 'Bottle, R. B. Annis' for \$39.840, etc.

TRADE MARKS. Table listing various trade marks with prices, such as 'Beer, Yale Brewing Co.' for \$72.814, 'Belting, hose, and machinery packings, Revere Rubber Co.' for \$72.809, etc.

LABELS. Table listing various labels with prices, such as 'Banner Varnishes,' for varnishes, Banner Varnish Co.' for \$14.674, 'Charcoal,' for a throat ease, Messer Gum Co.' for \$14.670, etc.

PRINTS. Table listing various prints with prices, such as 'Jack-The-Giant Killer,' for wheat breakfast food, Cream of Wheat Co.' for \$2.427, 'School Days,' for wheat breakfast food, Cream of Wheat Co.' for \$2.428, etc.

A printed copy of the specification and drawing of any patent in the foregoing list, or any patent in print issued since 1863, will be furnished from this office for 10 cents, provided the name and number of the patent desired and the date be given.

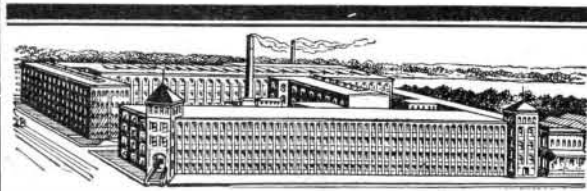


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SMALL HOUSE NUMBER of AMERICAN HOMES AND GARDENS

THE artistic and inexpensive house is the chief demand of the home seeker of to-day. For that reason the April, 1909, number of American Homes and Gardens will be a SPECIAL SMALL HOUSE NUMBER.

This issue will contain a vast amount of valuable information for the prospective home builder. It will tell him how to select a country site, how the various rooms of the house should be planned; the style of architecture in which the house should be designed; the material of which it may be built; the kind of plumbing fixtures to be used; the heating system to be selected; the choice of the hangings for the walls, doors and windows; appropriate furniture for the home; the interior decoration of the home; and the laying out of the grounds surrounding the house, as well as the planting of them.

THE ARTISTIC EXPRESSION OF THE SMALL HOUSE is well explained in an article by Francis Durando Nichols, illustrated with fifty engravings showing exterior and interior views and floor plans of a group of model houses of small size and small cost.

PLUMBING FOR A SMALL COUNTRY HOUSE by John A. Gade, is a very important subject. No part of a house needs greater attention than the laundry, kitchen and bath room. Hence the economic and convenient placing of the plumbing fixtures, the kind to use, and the cost of the same are matters of interest to all prospective home builders.

THE MAKING OF AN IRIS GARDEN, by Samuel Howe, is an illustrated article showing how a swamp or lowland can be developed and transformed into a beautiful iris garden.

DECORATIVE FEATURES IN THE SMALL HOME, by Alice M. Kellogg, presents in a brief way with ten illustrations artistic schemes of covering the floors and walls of the house, harmonious and appropriate hangings for the doors and windows, with numerous suggestions for the decorating of the various rooms of the house.

A GROUP OF MODEL MOTOR HOUSES FOR THE SMALL COUNTRY PLACE, by Ralph de Martin, forms two pages of illustrations and sets forth the best designs for a small motor house suitable for the accommodation of one motor car and with sufficient space for a work bench.

HOME-MADE NOVELTIES FOR THE COUNTRY HOUSE, by Mabel Tukey Priestman, treats of the conversion of unlikely things into useful articles, and the illustrations show the results.

THE EVOLUTION OF THE SMALL HOUSE PLAN, by Joy Wheeler Dow, is an important article by a well-known architect on the economic planning of a small house, costing from \$2,500 to \$8,000. The plan and the arrangement of the rooms is the first thought given to the house and is one in which the layman should be most interested.

A FORMAL GARDEN AND PERGOLA, DESIGNED BY AN AMATEUR, by Alexander R. Holliday, informs the reader how an amateur planned and laid out his garden and how he built his pergola. Illustrated with plans and scale drawings.

PROPER FURNITURE FOR THE SMALL HOUSE, by Esther Singleton, with illustrations showing the artistic and appropriate furniture for the house, and the proper position in which it is to be placed, together with an accurate treatment of the fireplace and mantel.

THE USE OF CONCRETE IN THE BUILDING OF A SMALL COUNTRY HOUSE, by Benjamin Howes, is a timely and comparatively new subject, and is one in which much interest is shown at the present moment. The article is profusely illustrated with fifty engravings showing exterior and interior views and floor plans of small houses of various styles of architecture in which concrete is used with artistic results.

THE HEATING APPARATUS FOR THE SMALL COUNTRY HOUSE, by Allyn Frogner, is the title of an article treating in a practical manner one of the most important features of a small country house. How to heat and what is the cost? That is a question which has been well answered for the three respective systems of hot air, steam heat and hot water.

PROBLEMS IN PLANNING THE GROUNDS OF A SMALL COUNTRY PLACE, by Charles D. Lay. Mr. Lay has explained in a very concise form how the grounds around a small country place may be planted at a very low cost, and enumerates the best and most effective shrubs and plants to be used.

This SMALL HOUSE NUMBER will contain 165 illustrations covering 52 pages, which will be included in a striking colored cover.

The price will be fifty cents. Those now subscribing for American Homes and Gardens for the year will receive it at the regular rate. Subscription price \$3.00 a year.

MUNN & COMPANY, Publishers, 361 Broadway, New York City