

RECENTLY PATENTED INVENTIONS.

Electrical Devices.

CLEAT FOR ELECTRIC WIRING.—R. McLENNAN, Ballston Spa, N. Y. This invention refers to certain improvements in cleats for electric wiring, and more particularly to cleats for securing a plurality of substantially parallel wires to a wall or ceiling at a bend or turn in the wires, as, for instance, at a corner of the room.

ELECTRIC SAFETY-RAZOR.—L. BRUNACCI, New York, N. Y. In this case the invention relates to safety razors, and the object is to produce a razor of simple construction having blades operated by electrical means, and shielded in such a way that they may be applied to the face without danger of cutting the skin.

Of Interest to Farmers.

MANUAL PLANTER.—S. A. SIERRA, Caracas, Venezuela. The device embodies a seed box, a discharge chute extending above the bottom of the box having an opening, and an elevator having a seed holder, means forcing the elevator downwardly and normally retaining the seed holder at the bottom of the box, and means for raising the elevator against the tension of the last-mentioned means to bring the holder into register with the opening and deliver the seed into the chute.

MACHINE FOR DIGGING ROOTS.—T. H. MALEY, Goodhue, Minn. One purpose of the invention is to provide a machine especially adapted for eradicating the roots of quack grass, by which the roots are dug, conducted to the rear of the machine, and are there acted upon by strippers and delivered into a receptacle supported upon the frame of the machine at the rear.

HUSKING-ROLLER.—G. H. GEHRKING, Elk Mound, Wis. This invention pertains to corn husking and fodder shredding machines, and its object is to provide a pair of husking rollers, arranged to prevent crushing of the ear of corn, and to insure an easy gripping of the corn stalks, thus permitting of running the machine with a minimum expenditure of power.

Railways and Their Accessories.

TRACK-STRAIGHTENER.—M. E. LOEHR, Claypool, Ind. In view in this case is the combination of a cable, a member composed of two principal sections threaded together, one designed to be applied to a rail, the other to a cable, clamps for engaging the rail at opposite ends of the cable and having means for locking them to the rail when the cable is placed under tension, and oscillatory means operable in both directions of its movement to separate the sections of the member and force the rail and cable apart.

RAILROAD-TIE.—R. L. BOWER, Blandburg, Pa. The tie is formed of a sheet of metal rolled up into tubular form, and having overlapping portions on the top to render the tie exceedingly strong and to form firm seats for the rails, the tubular tie also having pairs of upwardly-extending members for receiving and holding rail fasteners and for determining the seats for the rails and consequently the gage of the track.

Machines and Mechanical Devices.

WIRE-TIER FOR BALING-MACHINES.—J. H. GREGORY and M. L. SIAS, Farwell, Mich. The aim in this invention is to avoid the necessity for using wire with a special head or loop, and to firmly secure together the plain overlapping ends of ordinary wire, the fastening operations being brought about by the movement of the material within the baling press.

PULP-SCREEN.—B. W. BOYD, Readsboro, Vt. In this instance the invention is an improvement in pulp screens of a simple and compact nature, adapted to effectively and rapidly separate the coarse product of pulp and such similar materials from the fine pulp and water, by centrifugal action.

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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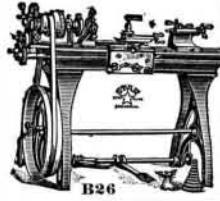
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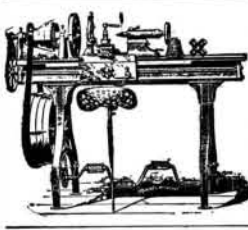
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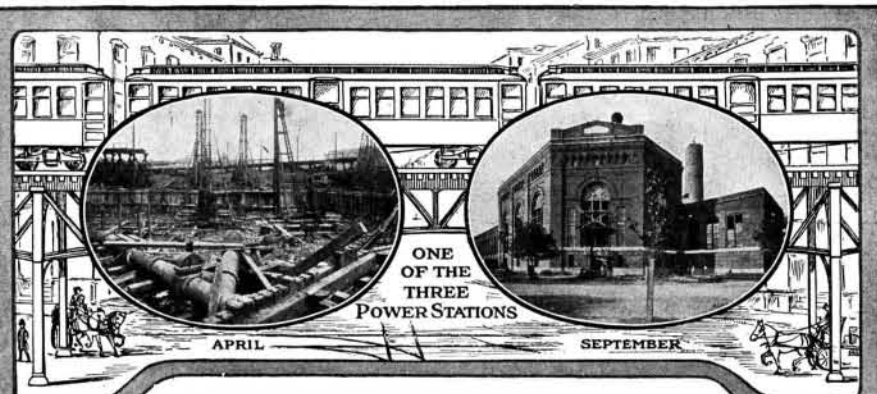
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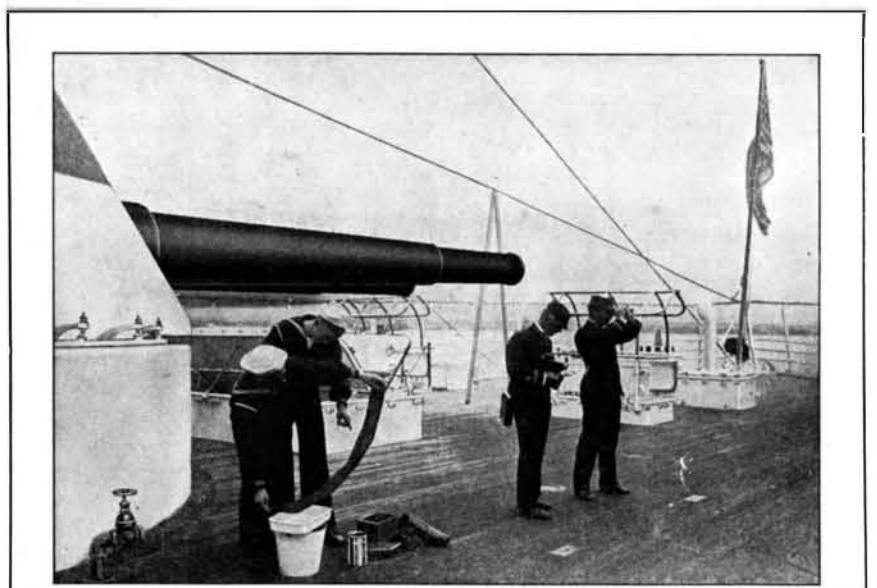
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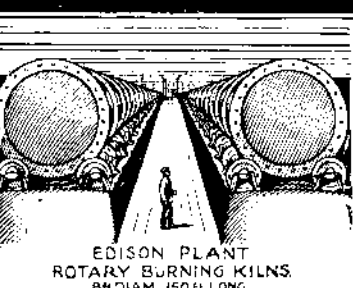
A printed copy of the specification and drawing of any patent in the foregoing list, or any patent in print issued since 1863, will be furnished from this office for 10 cents, provided the name and number of the patent desired and the date be given. Address Munn & Co., 361 Broadway, New York.

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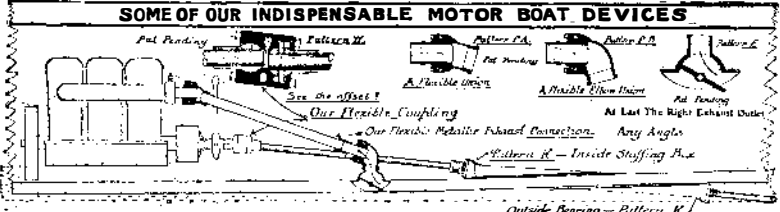
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THE artistic and inexpensive house is the chief demand of the home seeker of to-day. For that reason the April, 1909, number of American Homes and Gardens will be a **SPECIAL SMALL HOUSE NUMBER.**

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 Tuke 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.

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