

RECENTLY PATENTED INVENTIONS.

Electrical Devices.

RAIL.—L. STEINBERGER, New York, N. Y. Certain advantageous features are embodied in this invention, among them being provision for allowing the rail to rock slightly during the passing of a train, and insuring a more constant and nearer perfect contact; for providing a bearing-surface for distributing pounding action; for relieving the rail and support of undue strains; for limiting movements thus set up in the rail; for supporting the rail against displacement; for more effectively shedding rain, sleet, snow, etc.; for more thoroughly insulating rail from cross-tie, and for providing a form of rail more readily distinguishable from ordinary rails, thereby preventing accidents.

SUPPORT FOR RAILS.—L. STEINBERGER, New York, N. Y. Mr. Steinberger's invention relates to a means for supporting rails and admits of general use, but is particularly applicable to railway systems employing the so-called "third rail" for the purpose of distributing the electric current. Among the several objects of the invention, one is to permit a maximum relative movement as between the rail and its support in a plurality of directions. Another, to provide an insulated rail-support presenting the least possible mechanical contact-surfaces to the rail, thereby allowing the rail free movement and avoiding possibility of rail sticking to its support, and thereby hindering or breaking it.

ELECTRIC SIGNALING SYSTEM.—J. DIANOVSKY, Passaic, N. J. The object in this case is to provide a system, more especially designed for preventing collisions of trains and arranged to automatically bring a train to a stop when it passes into a section occupied by the train ahead to allow the engineer of the last train to put himself in telegraphic communication with the engineer of the train ahead, or vice versa, and to allow proper dispatch of the trains from a terminal station without danger of derailing or collision by imperfectly set switches.

ELECTRIC RAILROAD-CROSSING SIGNAL.—T. C. CLARK, Cambridge, Ohio.

This signal for warning teams and pedestrians, comprises two circuit-closing devices arranged in the track, one each side of the crossing and about one hundred and fifty yards from the same, an electric bell which is mounted in a box at the crossing and arranged to be rung upon the approach of a train in either direction, a commutator with electric motor for turning it by which the time during which the bell is to continue in operation is controlled, and electromechanical devices for opening and closing the various circuits and holding them open or closed, as required, and also a circuit-breaking device for the track-circuit.

ELECTRIC SIGNALING SYSTEM.—S. I. YOUNG, New York, N. Y.

In this patent the invention consists in a signaling system especially adapted for use on electric railways where the motive power employed is a source of direct-current energy. The object is to provide means whereby the condition of any section of the railway may be visibly, audibly, or otherwise indicated—as for instance, through the operation of semaphore-arms, bells, lights, etc.—or whereby the speed of movement of any car upon the railway may be modified upon entering or leaving any section of such railway—as, for instance, by automatically varying the resistance of the motor-circuit.

Of Interest to Farmers.

PLANTER.—J. H. GROOTER, Allendorf, Iowa. In this case the purpose is to provide a means for releasing the seed from the seed box or boxes at proper periods, which means are controlled by the guide wire, chain, or cable used in connection with the machine, and further features relate to the construction of the seed-dropping devices, means for regulating the winding of the chain or cable upon the drum, and the construction of the drill shoes which are provided with devices at their lower ends for releasing seed to be dropped into the ground.

DEVICE FOR OPENING OR CLOSING GATES.—H. C. MORGAN, Eugene, Ore. By this improvement the inventor so arranges the ropes and pulleys as to enable the operator to open and close the gate from any point on the ground, in a wagon, or on a lead of hay, or the gate may be opened by a cable on the ground or by a man on horseback or without the use of ropes as may be desired.

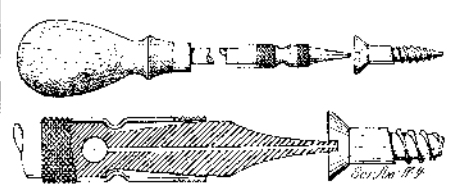
Of General Interest.

ATTACHMENT FOR MARINERS' COMPASSES.—J. ROYER, St. Johns, Newfoundland. This attachment enables bearings of heavenly bodies, landmarks, lights, and distant objects to be taken accurately, enables accurate bearings to be taken at night, the mariner to discover deviation of his compass by taking fixed bearings and comparing with compass indication, accurate bearings to be taken with binoculars without its removal or interference with its hood or top, bearings to be taken off pole-compasses, and to discover by noting bearings of a fixed object from time to time how tide is setting.

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 the paper.

IMPROVED SCREWDRIVER.

Electricians and others who are required to drive screws in difficult and inconvenient places, will appreciate the value of the screwdriver here illustrated. The blade of the screwdriver consists of two jaws, over which a sleeve is fitted. This sleeve is so arranged that when moved forward it will crowd the jaws together, permitting them to be inserted



in the screw slot, and when the sleeve is withdrawn, the jaws will spread and hold the screw by pressing against the side walls of the screw slot. The screw can then be driven without the necessity of being held by the hand. Mr. S. E. Condon, 266 Hewes Street, Brooklyn, N. Y., who is the inventor of this screwdriver, desires to dispose of his patent, either outright or on a royalty, to some established manufacturer.

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

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Table with multiple columns listing various business and personal wants, including inquiries for machinery, raw materials, and specific products, with associated numbers and addresses.

Table listing various inventions and their patent numbers, including items like 'Attaching and detaching device', 'Audiphone', 'Automatic coupling', 'Automatic signal', etc., with corresponding patent numbers.

Table listing various inventions and their patent numbers, including items like 'Dyeing composition', 'Basel, E. C. Entler', 'Eaves trough hanger', 'Educational device', etc., with corresponding patent numbers.

INDEX OF INVENTIONS

For which, Letters Patent of the United States were Issued for the Week Ending June 28, 1904

AND EACH BEARING THAT DATE

(See note at end of list about copies of these patents.)

Table listing specific inventions and their patent numbers, including 'Abdominal hernia-pad', 'Acid proof composition', 'Adding and recording machine', etc.