No. 35,569. Electrical Conductor.

(Conducteur électrique.)

Edison General Electrical Company, City of New York, New York, assignees of William A. Phillips, Brooklyn, New York, all of U.S.A., 9th December, 1890; 5 years.

Claim.—1st. The combination, with a wire, of flat strips of absorbent insulating material applied longitudinally to said wire, the strips being individually in a folded condition, substantially as set forth. 2nd. The combination, with a wire, of flat strips of paper applied longitudinally to said wire, the strips being individually in a folded condition, substantially as set forth. 3rd. The combination, with a wire, of an insulation therefor, composed of two or more strips of fibrous material applied longitudinally to the wire and impregnated with an insulating compound or material, substantially as set forth. 4th. The combination, with a wire, of an insulation therefor, composed of two or more strips of an insulating material, applied longitudinally to said wire and folded and compressed thereon, substantially as set forth. 5th. The combination, with a wire, of an insulation therefor, composed of two or more strips of fibrous material applied longitudinally to such wire and provided with adhesive material for holding them together, substantially as set forth. 6th. The combination, with a wire, of an insulation therefor, composed of two or more strips of fibrous material, applied longitudinally to the wire, and provided with an adhesive compound of resin and vaseline for holding them together, substantially as set forth.

No. 35,570. Track Laying Machine.

(Machine à poser les rails.)

Ferdinand F. Voigt, Chicago, Illinois, U.S.A., 9th December, 1890; 5 years.

Claim.—1st. The combination, with a track-laying machine provided with a forward extension-frame, of a carrier working on said frame, and a gear connection between the said carrier and the axle of the machine, whereby the forward movement of the machine will cause the carrier to be advanced, substantially as described. 2nd. The combination, with a track-laying machine provided with a forward extension-frame, and a carrier working on said frame, of a power-shaft, a sprocket-wheel mounted thereon, a sprocket-chain secured at its ends respectively to the carrier and working around said wheel, and a sprocket-wheel and chain connection between said shaft and the axle of the machine, substantially as described. 3rd. The combination, with a track-laying machine provided with a forward extension-frame, a carrier working on said frame, and means for advancing and withdrawing said carrier, of an automatic stop device for limiting the movement outwardly of said carrier, substantially as described. 4th. The combination, with a track laying machine provided with a forward extension-frame, and a carrier working on said frame, of a power-shaft, a connection between said shaft and carrier including a separable clutch device, whereby the rotation of said shaft will operate the carrier, and mechanism attached to said carrier for automatically unshifting the clutch and stopping said carrier, substantially as described. 5th. The combination, with a track-laying machine provided with a forward extension-frame and a carrier working on said frame, of a power-shaft, a sprocket-wheel mounted thereon, a sprocket-chain attached at its ends respectively to the carrier and working around said wheel and shaft, a clutch-lever, and a projection or incline on the carrier adapted and arranged to actuate the lever so as to shift the clutch, substantially as described. 6th. The combination, with a track-laying machine provided with a forward extension-frame, and a carrier working on said frame, a power-shaft, a sprocket-wheel mounted thereon, a sprocket-chain attached at its ends respectively to the carrier and working around said wheel and shaft, a clutch-lever, and a projection or incline on the carrier adapted and arranged to actuate the lever so as to shift the clutch, and a connection between said shaft and an axle of the machine for actuating the former, substantially as described. 7th. The combination, with a track-laying machine provided with a forward extension-frame, of a carrier, means for advancing and withdrawing the same, a tilting track-section mounted on said carrier, and means for automatically tilting said section, substantially as described. 8th. The combination, with a track-laying machine provided with a forward extension-frame, of a carrier working on said frame, means for advancing and withdrawing said frame, a tilting track-section, a lock device therefor, and means for automatically withdrawing said lock when the carrier reaches the limit of its forward movement substantially as described. 9th. The combination, with a track-laying machine provided with a forward extension-frame and a carrier working on said frame, of a tilting track-section on said carrier, a spring actuated lock device therefor, a rod for operating said device and a fixed projection on the machine engaging said rod when the carrier reaches the limit of its forward movement, whereby the lock device will be automatically unlocked, substantially as described. 10th. The combination, with a track-laying machine provided with a forward extension-frame, a carrier working on said frame and a tilting track-section on said carrier, of means for advancing and withdrawing said carrier, an automatic stop device for limiting the outward movement of the carrier, and means for automatically and simultaneously tilting said track-section, substantially as described. 11th. The combination, with a track-laying machine provided with a forward extension-frame, and a carrier, of an overhead return-track, hinged end sections on said track adapted and arranged respectively to receive the trucks from the carrier when extended, and deliver them at a point to the rear of the machine, substantially as described. 12th. The combination, with a track laying machine provided with a forward extension-frame and a carrier working on said frame, of overhead return-tracks having hinged end sections supplemental tracks parallel therewith, and travelers working on said tracks provided with block and tackle and grappling-hooks for carrying the rails, substantially as described.

No. 35,571. Horse Collar. *(Collier de cheval.)*

Alexander McKenzie, Manchester, Ontario, Canada, 9th December, 1890; 5 years.

Claim.—1st. The combination, with the hinged metal rim of a horse-collar, consisting of metal sections united to form a circle and a rigid core of lighter material filling one section, of a strip of flexible material clamped between the said core and metal section, and a pad secured to the said flexible strip, whereby the strip constitutes an integral portion of the pad, substantially as shown and described. 2nd. The combination, with the hinged metal rim of a horse-collar, consisting of metal sections united to form essentially a circle, and a core of lighter material filling one section, of a strip of flexible material clamped between the said core and the contiguous face of the metal section, a pad secured to the said flexible strip, and an apron covering the union of the said strip and pad, substantially as shown and described. 3rd. In a horse-collar, the combination of a metal rim consisting of two longitudinal sections united to form an essentially circular body, and a pad jacket having one of its edges held between the said sections, substantially as described. 4th. In a horse-collar, the combination of a metal rim consisting of two longitudinal sections secured together, the pad-jacket section b^1, of leather or equivalent flexible material having one edge secured between the said sections, and the pad-jacket section e, secured to the free end of the section b^1, and to the bend of the said section adjacent to the rim, substantially as shown and described.

No. 35,572. Conduit for Electric Railways.

(Conduit pour chemins de fer electriques)

Charles Joseph Van Depoele, Lynn, Massachusetts, U. S. A., 10th December, 1890; 5 years.

Claim.—1st. A tubular conductor enclosed in insulating material, and contact making devices extending from the exterior to the interior thereof. 2nd. A tubular conductor permanently enclosed within an insulating envelope, and having contact making devices extending through both the insulation and the conductor to make contact with the interior of the conductor, and removably sustained in the wall thereof. 3rd. The combination of a tubular conductor enclosed within an insulating envelope, a contact device comprising an insulating support extending through the wall of the conductor, a movable contact, a spring for retracting the same, and a traveling current collector arranged to move the contact into engagement with the interior of the conductor. 4th. The combination, with a slotted sub-surface conduit, of a hollow conductor or conductors contained within said conduit and provided with an exterior insulating envelope, and contact devices extending from the exterior to the interior thereof, and a traveling collecting device or devices extending through the slot of the conduit into engagement with the contact devices upon the conductor or conductors. 5th. The combination, with a slotted sub-surface conduit, of a hollow conductor or conductors formed of tubular sections united by tubular couplings provided with brackets for attachment to the wall or walls of the conduit, sustained within said conduit and provided within an exterior insulating envelope, and contact devices extending from the exterior to the interior thereof, and a traveling collecting device or devices extending through the slot into engagement with the contact devices upon the conductor or conductors. 6th. A sub-surface conduit comprising a metallic trough having one edge turned inwardly and one outwardly, road bars sustained upon said edges to form a surface slot adjacent to one side of the conduit, said inwardly turned edge being indented to give greater access to the conduit when the road bar is removed, and a suitable conductor sustained within the conduit under the inwardly turned edge.

No. 35,573. Artificial Slate. *(Ardoise artificielle)*

Jean Baptiste Morin, Quebec, Province of Quebec, Canada, 10th December, 1890; 5 years.

Claim.—The improvements made on the artificial slate by joining to it a book of models, the idea of having combined the two, namely the artificial slate and the models forming by their union a whole entirely different from the two taken separately, which combination of the slate and of the book of models, of letters, ciphers, and drawings thus grouped, I intend to design under the name of "model slate," for the purpose hereinbefore set forth.

No. 35,574. Bed Bottom. *(Sommier élastique.)*

Walter Bryant Noyes, Toronto, Ontario, Canada, 10th December, 1890; 5 years.

Claim.—1st. The combination, with the side rails, of the bed bottom frame provided with bearings, of a stretching roller, caps secured to the ends of the stretching roller and provided with hollow journals seated in the bearings of the said rails or brackets, and hollow journals, and entering the ends of the stretching roller, whereby the journals are held in their bearings, and the said rails are drawn toward the ends of the stretching roller, substantially as set forth. 2nd. The combination, with the frame of the bed bottom having a tension device, of a woven wire or other flexible support attached at one end to said roller or end piece, and a supporting rod passing through the longitudinal edges of the flexible support, and provided with a spiral spring, whereby the rod is rendered yielding, substantially as set forth. 3rd. The combination, with the frame, of the bed bottom and roller or end pieces B, B, one or more dowels or cross bars A, for holding the supporting spring D, D, whereby the fabric is prevented from becoming so easily depressed, substantially as set forth.