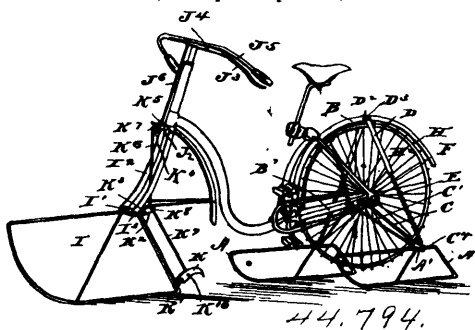


nuts arranged on the bolts and interposed between the nuts and the adjacent fish plate, and forming a space back of the nuts, and a nut lock comprising a pair of nut-receiving loops conforming to the configuration of said nuts and arranged on the edges of the same and provided with resilient arms extending back of the nuts and arranged in said spaces to retain the loops on the nuts, and connecting portion extending from one loop to the other, substantially as described. 4th. A nut lock, constructed of a single piece of wire and comprising a pair of nut-receiving loops, an inclined connecting portion extending from the top of one loop to the bottom of the other, and provided intermediate of its ends with a bend to impart resiliency to the nut-lock, said loops being provided at their inner sides at the extremities of the wire of which they are formed, with eyes receiving the inclined connecting portion and provided with arms to be inserted back of nuts, substantially as and for the purpose described.

No. 44,794. Ice Velocipede.

(Vélocipède à patins.)



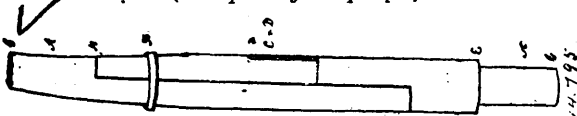
44,794.

Earl E. Gould, Belvidere, Illinois, U.S.A., 28th November, 1893; 6 years.

Claim.—1st. In an ice-triped, the combination of the following elements: The frame B, B', the wheel H², having driving sprockets H, secured to the half-round tire H' thereof, the rear runners, the connecting rods C, C', the sockets D, the rods E, and the spring F, when all of said parts are constructed, arranged and connected, substantially as and for the purpose specified. 2nd. In an ice-triped, the combination of the following elements: The frame B, B', the front runner I, the levers J, J', the handle bar J², the connecting arm J³, the brake K, the arm K², the lever K⁴ the connecting arm K⁵, K⁶, when all of said parts are constructed, arranged and connected, substantially as and for the purpose specified. 3rd. In an ice-triped, the combination of the following elements: The frame B, B', the rear and front runners, the wheel H², the connecting rods C, C', the sockets D, the rods E, the springs F, the levers J, J', the handle bar J², the connecting arms J³, the brake K, the arm K², the lever K⁴ the connecting arms K⁵, K⁶, when all of said parts are constructed, arranged and connected, substantially as and for the purposes specified.

No. 44,795. Coupler for Pump Rod.

(Joint pour tiges de pompe.)



44,795.

Friederick C. Blackwell, Enniskillen, Ontario, Canada, 28th November, 1893; 6 years.

Claim.—1st. The coupling for pump or similar rods, comprising a section of rod having one end enlarged on which is formed a sunken flat surface B, a projection C, and shoulder H, and the other end enlarged on which is formed a sunken flat surface B, a slot D, and shoulders H and E, substantially as described. 2nd. The combination of two sections of rod, each formed as described, and ring F, substantially as and for the purpose hereinbefore set forth.

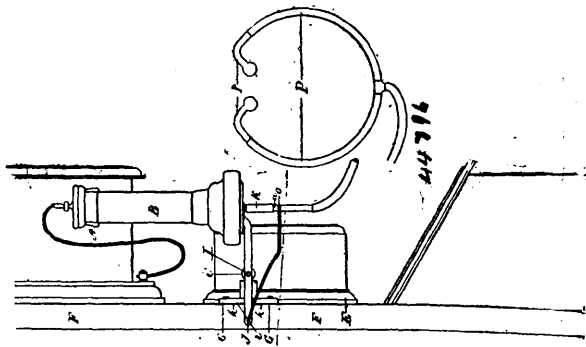
No. 44,796. Telephone Attachment.

(Interrupteur de téléphone.)

John A. Hertel, assignee of Charles W. Dennis, assignee of Christian H. Dorenwend, all of Toronto, Ontario, Canada, 28th November, 1893; 6 years.

Claim.—1st. An attachment to the receiver of a telephone instrument, comprising a flexible tube one end of which is fitted with an ear piece, and the other end adapted to close the diaphragm of the receiver, a pivoted arm adapted to support in position the flexible tube and to raise the receiver off the supporting hook when the instrument is in use, substantially as described. 2nd. An attachment to the receiver of a telephone instrument, comprising of a flexible tube one end of which is held in position by a pivoted arm and adapted to enclose the exposed part of the diaphragm of the tele-

phone receiver whilst the other end of the flexible tube is forked, an ear piece fitted to each of the branches at the forked end of the said tube, means for raising the supporting hook to form a speaking



circuit through the telephone instrument, a pivot block secured to the telephone instrument, a pin passing through the said pivot block and the said arm, substantially as described. 3rd. An attachment to the receiver of a telephone instrument, comprising of a flexible tube, one end of which is held by a pivoted arm and adapted to enclose the exposed portion of the diaphragm of the receiver of the telephone instrument, whilst the opposite end of the said flexible tube is provided with an ear piece, a pivot block secured to the frame work of the telephone instrument to which the said arm is pivoted, a spring one end of which is secured to the said arm whilst the opposite end encircles the said tube, the said arm adapted to raise the said tube, the said arm and tube adapted to raise the receiver of the telephone instrument and the supporting hook, and hold them raised whilst the telephone instrument is in use to form a speaking circuit and to permit the receiver of the telephone instrument, and the supporting hook to fall when the telephone instrument is not in use to form a bell circuit and break the speaking circuit, substantially as described. 4th. An attachment to the receiver of a telephone instrument, comprising of a flexible tube one end of which is adapted to enclose the exposed portion of the diaphragm of the telephone receiver, whilst the opposite end of the said tube is fitted with an ear piece, in combination with a pivot arm one end of which encircles that end of the flexible tube adjacent to the telephone receiver, a plate secured to the framework of the telephone instrument, having a projection at right angles therefrom in which slides the pivotal block, a pin passing through the said arm and pivotal block to permit of the horizontal adjustment of the said arm a spring one end of which is secured to the said arm whilst the other end encircles the flexible tube, said arm adapted to miss the receiver of the telephone instrument and hold the same in its elevated position to permit the supporting hook to rise and complete the speaking circuit, the said spring causing the said arm to be held in its horizontal position, substantially as described. 5th. An attachment to the receiver of a telephone instrument, comprising of a flexible tube one end of which encloses the exposed portion of the diaphragm of the telephone receiver whilst the opposite end is fitted with an ear piece, a pivoted arm encircling that end of the flexible tube adjacent to the receiver of the telephone instrument, a plate secured to the frame work of the telephone instrument, vertical slots in said plate to permit of its vertical adjustment, a projection extending outwardly from and at right angles to the said plate guides in the said projection, a pivot block sliding in said guides, a pin passing through said pivoted arm and pivot block, a flange formed at the end of the said pivot block, through which passes a pivot pin, stops arranged at either end of said flange to arrest, respectively, the upward and downward movements of the said pivoted arm, a spring one end of which is secured to the said pivoted arm whilst the opposite end of said spring encircles the said flexible tube, substantially as described. 6th. An attachment to the receiver of a telephone instrument comprising of a flexible tube, one end of which encloses the exposed part of the diaphragm of the receiver of the telephone instrument, whilst the opposite end of the said tube is fitted with an ear piece, a pivoted arm encircling the flexible tube, at the end adjacent to the receiver of the telephone instrument and adapted to support the said flexible tube, a plate secured to the framework of the telephone instrument, vertical slots formed in said plates to permit of its vertical adjustment, a slide formed in said plate into which enters one end of an angle iron, a set screw to permit of the lateral adjustment of the said angle iron, a slide in that portion of the angle iron extending outwardly from the said plate, a pivot block entering into the said slide, a set screw to permit of the horizontal adjustment of said pivot block, a pin passing through said pivot block and pivoted arm and stops arranged to arrest, respectively, the upward and downward movement of the said arm and a spring, one end of which is secured to the said pivoted arm, whilst the other end encircles the said flexible tube, substantially as described. 7th. An attachment to the receiver of a telephone instrument comprising a flexible tube one end of which is fitted with an ear piece, and the other end adapted to close the diaphragm of the receiver, an arm adapted to support in position the flexible tube, substantially as described.