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the same, and a longitudinal rod having a bearing within the tubu-lar part and adapted to operate the locking device by an axial mo-tion, substantially as specified. Tith. In a harvester reel support, the combination of the plunger pins I', I², provided with the lugs i', i', and i², i', with a seat to hold the same, two adjustment sectors in which said plunger pins engage, and an operating lever provided with fingers, or means, adapted to withdraw the plunger pins from the sectors and to adjust the position of the reel, substantially as de-scribed. 18th. In a harvester reel support, the reel bearing arm F, its forward end having the transverse sleeve L¹ to support the reel shaft, its rearward end branched to give a more secure fastening support the reel and to provide a seat and end abutment for spring K, substantially as specified. 19th. In a harvester reel support, the combination of the base-piece B, arm C and brace arm D, having the rearward end having the there read adapted to bear the reel, and the sector D pivoted thereto at their lower ends, arm F pivoted to arm C and coupling E, its forward end adapted to bear the reel, and its rearward end having the sector F', spring K seated in arm F, the hand lever pivoted to coupling E, its forward end connected to arm F by rod h, locking pins I' and I² and spring i to hold said pins in soft. Not hold said pins I' and I² and spring i to hold said pins in whole operating substantially as and for the purposes set forth.

No. 34.871. Attachment for Vises.

(Appareil à étaux.)

James M. Lockey, (assignee of Charles Wies,) Faulkton, S. Dak., U.S., 13th August, 1890; 5 years.

Claim.—1st. An attachment for vises, consisting of the two sec-tions A, and B, one adapted to be clamped to the vise jaw, and the other pivoted to rock on the other section, substantially as set forth. 2nd. The attachment for vises, consisting of the section A, having ears a, a, and clamp screw C, and the section B, pivoted to section A, substantially as set forth. 3rd. The improved attachment for vises, consisting of the section A, having ears a, a, and lug D, and the section B, having a socket d, receiving said lug D, and all being arranged and adapted for use, substantially as set forth.

No. 34.872. Slide Valve. (Tiroir de vapeur.)

Edward Leslie, Orangeville, Ont., 14th August, 1890 ; 5 years.

Edward Leslie, Orangeville, Ont., 14th August, 1890; 5 years. Cloim.—Ist. In a slide valve, an outer valve actuated by the valve gear, and arranged so that the central portion of its top will at all times register with the exhaust port. 2nd. A slide valve, comprising an outer valve section, an inner, valve section having an open top, substantially as described. 3rd. A valve comprising an outer valve section, and an inner valve section having an open top and an up-wardly extending flange that abuts against the under side of the outer valve section, substantially as described. 4th. A valve, com-rising an outer valve section having an open top, and a flange which abuts against the under side of the outer valve section, and an outwardly extending flange that is overlapped by the inwardly-extending flanges of the outer valve section, substantially as de-scribed. 5th. A slide valve, comprising on outer valve section, and an outwardly extending flange that is overlapped by the inwardly extending flanges of the outer valve section, substantially as de-scribed. 5th. A slide valve, comprising on outer valve section ope-rated by the valve stem and formed with corner apertures, and an inner valve section, having an open top, and formed with a flange which abuts against the under side of the top of the outer valve sec-tion within the line of the oorner apertures, substantially as de-scribed. 6th. A slide valve, comprising an outer valve section hav-ing a continuous bearing face k, inwardly-extending flanges e, and flange d, and an inner valve section, having an open top, an up-wardly extending flange which abuts against the under side of the top of the outer valve section, and a surrounding flange f, that is overlapped by the bearing face k, and the inwardly-extending flanges f and d, substantially as described. 7th. A slide valve, comprising an outer valve section and an inner valve section, by the valve gear, and an inner valve section, having an open top, which sections there is a

No. 34,873. Slide Valve. (Tiroir de vapeur.)

Edward Leslie, Orangeville, Ont., 14th August, 1890 ; 5 years.

Claim.—1st. A slide valve, comprising an outer valve, actuated by the valve gear and controlling the inlet ports, and inner valve con-tained within the outer valve for controlling the exhaust of the motive agent, and adapted to be operated by the said outer valve, sufficient play or lost motion being had between the two valves, and a plate fitted into the open top of the outer valve and resting on the top of the inner valve, substantially as shown and described. 2nd. A slide valve, comprising an outer valve operated by the valve steam, a top plate held loosely in the said outer valve, and an inner valve having lost motion or play within the outer valve, and an inner valve having lost motion or play within the outer valve, and provided with top ridges on which rests the said top plate, substantially as shown and described. 3rd. In a slide valve, an outer valve actuated by the valve gear, and provided in the underside of its sides with grooves registering at all times with the exhaust port, substantially as shown and described. 4th. In a slide valve, the combination, with an outer valve, and an inner valve contained within the outer valve and ope-rated by the same, play or lost motion being had between the two valves. 5th. In a slide valve, the communication with an outer valve controlling the inlet ports, of a yoke fitted around the said outer valve and adapted to slide upward, a valve stem held on the said outer valve and adapted to slide upward, a valve stem held on the said outer valve and adapted to slide upward, a valve stem held on the said outer valve and adapted to slide upward, a valve stem held on the said outer valve and adapted to slide upward, a valve stem held on the same yoke, an inner valve contained within the outer valve and ope-Claim.-1st. A slide valve, comprising an outer valve, actuated by