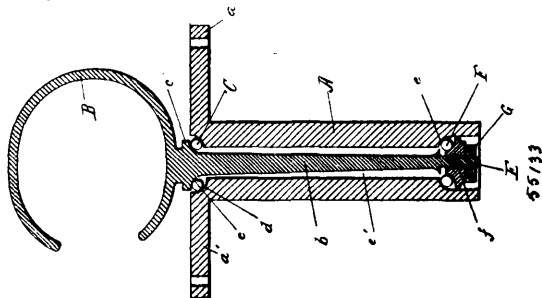
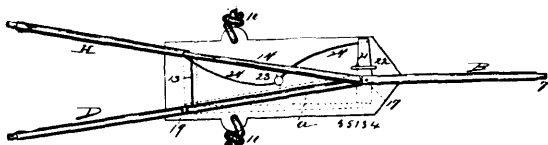


Claim.—1st. The combination with a stationary sleeve, of a rowlock provided with a shank, and ball bearings arranged between



the said shank and sleeve, substantially as set forth. 2nd. The combination with a stationary sleeve, provided with cones at its upper and lower parts, of a rowlock provided with a shank having a cone on its upper part, an adjustable cone screwed on the lower end portion of the said shank, and balls interposed between the said cones on the shank and sleeve, substantially as set forth. 3rd. The combination with a stationary sleeve, and removable cones of hard material let into its upper and lower parts, of a rowlock provided with a shank having cones on it, and balls interposed between the cones on the said sleeve and shank, substantially as set forth.

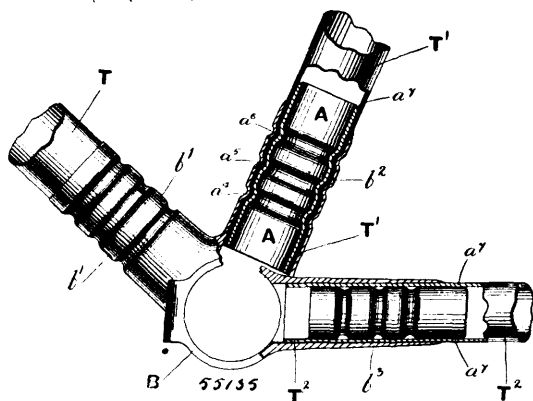
No. 55,134. Trolley Switch. (*Aiguille de trolley.*)



Moses Rangey and Peter Plante, both of Schenectady, New York, U.S.A., 1st March, 1897; 6 years. (Filed 9th December, 1896.)

Claim.—1st. A trolley switch comprising a body, a switch-rail pivoted at one end thereof, a way upon which the free end is mounted and a spring engaging with said free end to permit it to yield from and to return it to its normal position. 2nd. A trolley switch comprising a body, a switch-rail pivoted at one end thereof, in extension of a fixed rail section thereon, a way upon which the free end is mounted, and a spring engaging with said free end to hold it in alignment with a fixed rail section at the other end of said body, and permit it to be forced laterally into alignment with a branch-rail by the trolley-wheel, and to return it to its normal position when said wheel has passed.

No. 55,135. Means for Joining Tubing to Sockets, etc. (*Moyen de joindre les tubes aux douilles, etc.*)



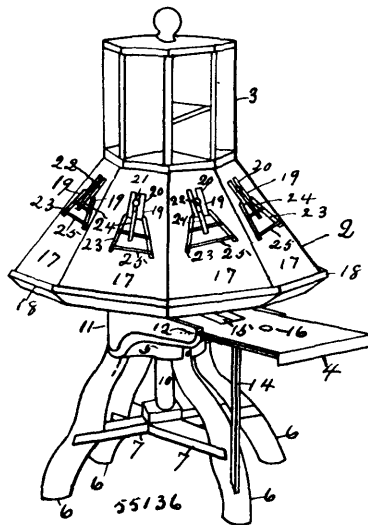
Frederick Billing and William Edward Partridge, both of Birmingham, Warwick, England, 1st March, 1897; 6 years. (Filed 24th December, 1896.)

Claim.—1st. The improvements in the mode and means for joining tubing to sockets or to other lengths of tubing by means of an internal anvil sleeve strengthening piece applied substantially as herein set forth and shown upon the accompanying drawing. 2nd. Joining light tubing to sockets by means of an internal sleeve or ring having depressions and fitting inside the end of the tube, the two being then inserted in a socket and the socket compressed upon the tube over the depressions so as to force the socket and tube into the said depressions in the internal ferrule or anvil as herein set forth and shown. 3rd. Joining light tubing to sockets by means of an internal sleeve or anvil or rings having depressions and fitting inside the end of the tube, the two being inserted in a socket and the

socket indented with several indentations so as to force parts of the socket and tube into the depressions, substantially as herein set forth and shown. 4th. Joining lengths of light tubing together by means of an internal anvil sleeve and external ferrule, substantially as set forth and shown.

No. 55,136. Revolving Book-holder.

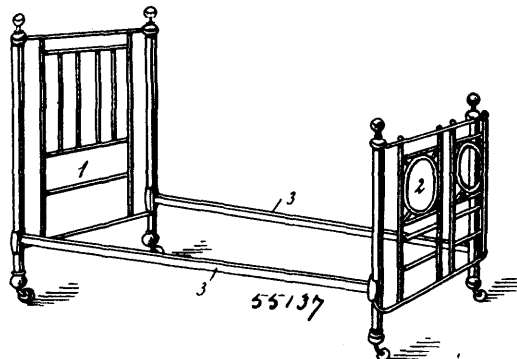
(*Bibliothèque tournante.*)



Calvert L. Ballard, Fort Worth, Texas, U.S.A., 1st March, 1897; 6 years. (Filed 27th January, 1897.)

Claim.—1st. The combination with a stand, a revolving desk having a vertical post journaled in the stand, and a support projected horizontally from the upper portion of the stand, of a writing-board slidably mounted in ways in the said support and having a slot to receive the said vertical post, whereby the writing-board can be pushed beneath the revolving desk when not in use and can be moved outward when required for service, substantially as specified. 2nd. In combination, a stand comprising a head and legs, arms extending laterally from the head of the stand and connected at their outer ends, a brace interposed between a portion of the stand and the outer end of the arms to support the latter, a revolving desk mounted in the stand, and a writing-board slidably supported by the said arms and adapted to move beneath the revolving desk, and having a slot to receive the vertical post, by means of which post the desk is rotatably supported, substantially as specified. 3rd. The combination with a desk, of a book-holder comprising a slotted plate, means for adjustably securing the plate to the desk, a frame having a pivotal or hinge connection with the plate and extending away from and in the plane thereof, and a spring secured to the plate and bearing upon the frame for moving the free end of the frame toward the desk, substantially as set forth for the purpose described.

No. 55,137. Bedstead. (*Bois de lit.*)



Foster Brothers Manufacturing Co., assignee of Oscar S. Foster, both of Utica, New York, U.S.A., 1st March, 1897; 6 years. (Filed 26th December, 1896.)

Claim.—1st. The combination of a post having means of attachment for angle side rails, of a reversible angle rail having means of attachment to the post, substantially as set forth. 2nd. The combination with a post having pins or studs projecting from opposite sides thereof, of a side rail constructed and arranged for use either side up, a rail hanger having two pairs of hooks, each pair being