

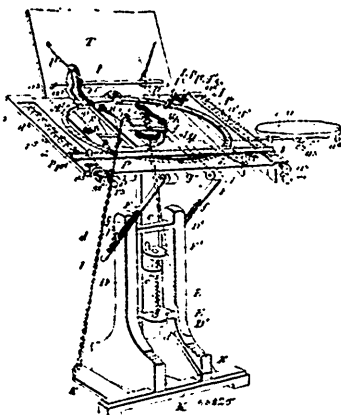
No. 48,824. Boot and Shoe Lasting Device.

(Forme de chaussure.)



Guillaume Boivin, Montreal, Quebec, Canada, 6 mai, 1885; 6 ans.

Resume. Un procede pour fixer solidement ensemble les deux parties C et D d'une forme a chaussures, consistant a adapter a la partie inferieure D de la forme un ressort B dont la partie b pressant sur le bloc C le maintient en position, puis a creuser dans le bloc C une cavite A permettant, au dit bloc de glisser sur la partie inferieure D sans toucher au ressort B, le tout tel que decrit et pour les fins indiquées.

No. 48,825. Drawing Table. (Planche a dessin.)

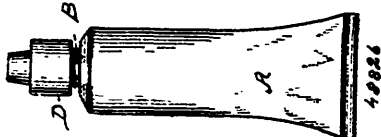
Samuel John Laughlin, and James Hough, both of Guelph, Ontario, Canada, 2nd May, 1885; 6 years.

Claim.—1st. In a drawing table, the combination with the table A, having a circular opening, of a removable circular drawing board, a square socket in the centre of the bottom thereof, a spindle with a square head fitting into the socket, means for rotating the spindle, and cross-bars secured to the underside of the table and extending beneath the opening, and friction rollers journaled in the cross-bars and forming the supports for the board, substantially as described. 2nd. The combination with a circular drawing board G, the arc-shaped clasps O, pivoted at o_1 on the edge of the board and designed to fit between the bent retaining pin o_2 , and the edge of the board over the turned down corner of the paper, as and for the purpose specified. 3rd. The combination with a drawing table having a circular opening and a circular drawing board within such opening, of a spindle h , journaled in the bars H, H, extending between the central cross-bars A^1 , A^1 , and having a square upper end extending into corresponding hole in the plate at the bottom of the board, a pulley I, on the spindle h , guiding pulleys i , i , on the spindle P , extending between the cross-bars, a chain secured to the pulley I, and extending over the guiding pulleys i , i , the lower end of the chain being connected to the forward end of the pedals k , and the cross-bar K, secured to the lower portion of the standard and extending out each way and having the pedals hinged to it, as and for the purpose specified. 4th. The combination with a table provided with a circular opening, and a circular drawing board supported within the opening with its surface above the level of the table and provided with a catch g^2 , in its edge and means for rotating the table, of stops adjustably held at each side and within the sweep of the catch, the stops being located at approximately ninety degrees apart so as to permit of a ninety degrees swing to the board, as and for the purpose specified. 5th. The combination with a table provided with a circular opening, and a circular board supported within the opening with its surface above the level of the table and provided with a catch g^2 , in its edge, and means for rotating the table, of the

pivoted stops L , adjustably held at each side and within the sweep of the catch, the stops being located at approximately ninety degrees apart and screw pins h , extending through blocks P , provided to adjust the stops to a ninety, as and for the purpose specified. 6th. The combination with a drawing table having a circular opening, a circular drawing board having the surface extending above the table, and a pivoted spring clamp secured at the rear of the table and having its free end extending over the board, a screw pin extending from the top of the table through the clamp, and a pressure knob secured upon the screw pin above the clamp, as and for the purpose specified. 7th. The combination with the table A, provided with cross-bars and pivotally supported upon the spindle h , having bearings beneath the cross-bar upon the upper enlarged end of the vertical single standard C, the standards D D, having cross-bars D^1 , through which the standard C, extends, the bracket D^2 , forming part of the cross-bar D^1 , the bracket e , forming part of the standard C, the screw spindle secured in the bracket D^1 , and extending through the bracket e , and provided with a hand-wheel, as and for the purpose specified. 8th. The combination with the table A, provided with cross-bars and pivotally supported upon the spindle B, having bearings beneath the cross-bar upon the upper enlarged end of the vertical single standard C, the double standard B, supporting the single standards in the cross-bars D^1 , extending between them, the spiral stays F , pivotally connected to the cross-bars A^1 , and secured to the standards D, D, by the thumb screw d , d , extending through the slots, as and for the purpose specified. 9th. The combination, with the table A, having the raised ends A^2 and A^2 , and a circular opening u , and circular board G, rotatably supported within the opening and having its surface flush with the surface of its raised ends, of the rule P , extending across the board and raised ends and connected at both ends to cords by depending blocks and means whereby the cords are given a uniformity of movement so as to keep the rule when being moved parallel to the rear and front of the table, and for the purpose specified. 10th. The combination, with the table A, having the raised ends A^2 and A^2 , and a circular opening u , and circular board G, rotatably supported within the openings and having its surface flush with the surface of the raised ends, of the rule P , extending across the board and raised ends and connected at both ends to cords by depending blocks, the cords being endless and extending around front and rear pulleys r and r^1 , and wound around central pulleys r^2 , which are secured at each end to the common spindle B, as and for the purpose specified. 11th. The combination, with the table A, with raised ends A^2 and A^2 , and having a circular opening provided with a circular board rotatably supported and suitably secured therein and having the surface flush with the raised ends, of the rule P , and the scale A^3 , held securely within the longitudinal recess u^2 , in any definite position by the adjusting screw u^1 , as and for the purpose specified. 12th. The combination, with the table A, with raised ends A^2 and A^2 , and having a circular opening provided with a circular board rotatably supported and secured therein, and having the surface flush with the raised ends, of the rule P , rotatable bar journaled in the recess u^2 , and provided with longitudinal ratchet shaped notched strips and grooves longitudinally arranged, a catch tooth P , depending from the rule and designed to engage with a notched strip of the bar when underneath the tooth, as and for the purpose specified. 13th. The combination, with the table A, with raised ends A^2 and A^2 , and having a circular opening provided with a circular board rotatably supported and secured therein, and having the surface flush with the raised ends, of the rule P , rotatable bar journaled in the recess u^2 , and provided with longitudinal ratchet-shaped notched strips and grooves longitudinally arranged, a catch tooth P , depending from the rule, the scale marked collar s , on the supporting spindle s , the pointer S^1 , knob s^2 , toothed wheel s^3 , and drag s^4 , all arranged as and for the purpose specified. 14th. In a drawing table, in combination a circular drawing board rotatably supported having a pointer on the edge of the board and a protractor arranged around half of the circumferential edge of the board, suitably divided and indexed from nought to ninety from the centre outwardly to each end, a spring clamp for holding the board in any desired position, and a rule arranged to have a parallel movement to a straight line between the ends of the protractor, as and for the purpose specified.

No. 48,826. Collapsible Tube for Mucilage.

(Tube pour le mucilage.)



Joseph Ainsworth Symond, Newton, Massachusetts, U.S.A., 2nd May, 1885; 6 years.

Claim.—1st. The collapsible case or tube A, having the head B, provided with a neck h , a recess h^2 and a brush or applying device