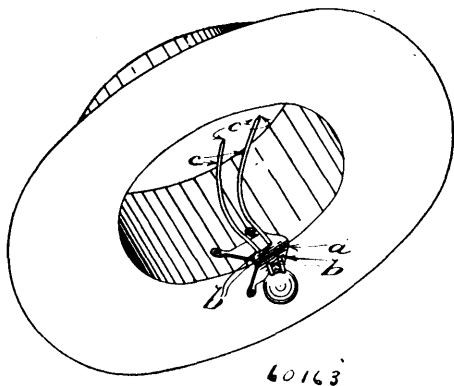


substantially as and for the purposes herein set forth and described. 13th. In combination the ducter rollers s^5 and t^6 , the colour or ink table V, with or without the tappits V^1 , V^2 , V^3 , V^4 , whereby the colour collected from the cylinder may be when borders are to be printed alternately transferred to the said table or simultaneously transferred when borders are not to be printed, substantially as and for the purposes herein fully set forth and described. 14th. In combination, the tappits V^1 , V^2 , V^3 , V^4 , the colour table v , the type table Z^1 , the inking rollers W , W^1 , W^2 , W^3 , and the tappits Y , Y^1 , Y^2 , Y^3 , Y^4 , Y^5 whereby the coloured inks from the ducter rollers may be transferred on to convenient parts of the horizontal colour or ink table and then taken therefrom by the inking rollers ready for transference to the type or the operations of inking and printing type and border accomplished simultaneously, substantially as and for the purposes herein fully set forth and described. 15th. In combination ducter rollers for carrying inks for letter press only and the colour table to be employed when border ink is not required and to ink the type in multi-colour work, substantially as and for the purposes herein fully set forth and described. 16th. In combination, colour table V, with or without the tappits V^1 , V^2 , V^3 , V^4 and the inking rollers W , W^1 , W^2 , W^3 whereby the inking rollers may receive the inks from the table, substantially as and for the purposes herein fully set forth and described. 17th. In combination and the inking rollers W , W^1 , W^2 , W^3 with or without the tappits Y , Y^1 , Y^2 , Y^3 , Y^4 , Y^5 whereby the inks collected by the rollers may be transferred in their proper order and appointed places to the type or rolled uninterruptedly thereon accordingly as borders are or are not to be worked, substantially as and for the purposes herein fully set forth and described. 18th. The tappit or other alternately actuated ducter collecting and ink transferring rollers s^6 , t^6 , as and for the purposes herein fully set forth and described. 19th. The tappit or other alternately actuated inking rollers, as and for the purposes herein fully set forth and described. 20th. In combination, a series or number of solid rollers in substitution for the disc rollers j , and discs m , with the distributing apparatus and the tappit inking cylinder n , or tappit pulleys p p^1 , whereby a number of colours may be employed and transferred through the medium and lengthwise of the cylinder n to the inking rollers suitably for the purposes of rolling the cross-lines of the pipe, substantially as and for the purposes herein fully set forth and described. 21st. In combination, any convenient number of circular or curvilinear tappit actuated inking rollers s , t , u , W , W^1 , W^2 , W^3 , one of the rollers may or not be a roller for border inking purposes and the others or all for type inking purposes, as and for the purposes herein fully set forth and described. 22nd. In combination, the side and middle tappits with inking rollers, whereby a central or intermediate portion between the lines of the form may be inked in a colour separate from the colour or colours of the letterpress or type, substantially as and for the purposes herein fully set forth and described. 23rd. In combination, the middle tappits with an inking roller whereby the said roller may be actuated or removed from the form subsequent to the inking of a central or intermediate portion in a coloured ink distinct from the lines of the letterpress, as herein fully set forth and described.

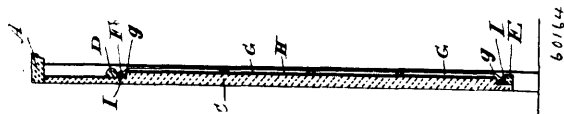
No. 60,163. Hat Fastener. (Attache de chapeau.)



Frederick Reast, 62 Braybrooke Road, and Charles Herbert Crisp, 103 Braybrooke Road, both in Hastings, Sussex, England, 1st June, 1898; 6 years. (Filed 13th May, 1898.)

Claim.—1st. A hat fastener consisting of a plate having apertures in same through which prongs of bent wire or other suitable material are passed, said prongs being so curved and arranged that their ends will separate when in their securing position, the plate or support having perforations, being so bent and secured to the hat as to lock the prongs owing to their particular curvature when in their securing position. 2nd. In hat fasteners a plate having apertures through which prongs pass, said aperture being set or distanced from each other so as to cause the prongs to be spread or separated when in their extended position.

No. 60,164. Bulletin Board. (Tableau.)

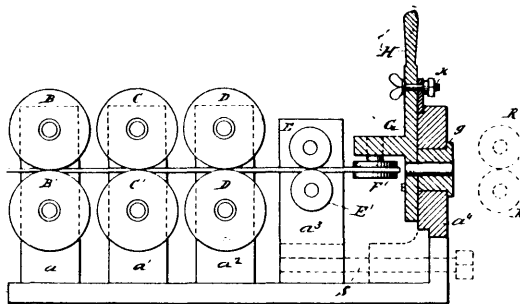


Stephen George Thompson, assignee of Herbert Kossuth Lee, both of Ottawa, Ontario, Canada, 1st June, 1898; 6 years. (Filed 13th April, 1898.)

Claim.—1st. In a bulletin board, the combination with the body, of a groove extending around the edge of the said body, and a suitably hinged wire frame designed to have the edge wire to engage with the groove, as set forth and for the purpose specified. 2nd. In a bulletin board, the combination with the body having an edge groove and edge bars, the wire frame suitably hinged at the bottom and having cross wires G, secured to such frame and designed to engage with the inner edges of the said groove when the edge of the frame is brought into engagement with the groove, as set forth and for the purpose specified.

No. 60,165. Wire Working Machine.

(Machine à travailler le fil de fer.)



James Atkins, Montclair, New Jersey, U.S.A., 1st June, 1898; 6 years. (Filed 13th May, 1898.)

Claim.—1st. A machine for twisting prismatic wire, comprising two sets of rolls having their peripheries formed and arranged to present between them spaces which conform to the shape of the wire, and means for supporting and fixing said rolls so that said spaces have different angular positions in the two sets of rolls, so that as the wire passes from one set of rolls to the other it is twisted in conformity to said spaces. 2nd. A wire twisting machine, comprising two sets of rolls conforming to the wire and arranged in line with one another so that the wire can pass through them in succession, means for varying the angular relation of one of said two sets of rolls to the other, and means for clamping and fixing the two sets of rolls in definite angular relation. 3rd. A twisting machine for prismatic wire, comprising two sets of rolls conforming to the wire and adapted to pass it successively between them, a fixed support for one of said sets of rolls, and a support for the other set of rolls, which is angularly adjustable around the line of motion of the wire as a centre, and means for fixing said support in any desired angular position. 4th. A straightening and twisting machine for prismatic wire, comprising three sets of rolls arranged in line so as to pass the wire successively between them and so straighten it, the peripheries of said rolls being formed and arranged to conform to the shape of the wire in different angular positions of same in the successive rolls, and means for holding the said sets of rolls in such relative positions. 5th. A straightening and twisting machine for prismatic wire, comprising three sets of rolls arranged in line so as to pass the wire successively between them and so straighten it, the peripheries of each set of rolls conforming to the wire, and means for holding two of the sets in such angular relation that the peripheries of said sets conform to the wire in a different angular position of the wire, so that the wire is twisted in passing from one to the other. 6th. A machine for forming, straightening and twisting prismatic wires, consisting of a series of forming rolls having their peripheries formed to successively act on a round wire to change it to prismatic form, and two or more sets of twisting rolls, one at least of which has its peripheries formed to conform to the prismatic wire in a different angular position to that which is given it by the forming rolls, so as to twist the wire, such sets of rolls being arranged in line, so as to straighten the wire, and means for holding the said set of rolls in such relative positions.

No. 60,166. Ditch Making Plough.

(Charrue à fossoyer.)

Napoleon Louis Gobeille, St. Hyacinthe, Quebec, Canada, 1st June, 1898; 6 years. (Filed 14th May, 1898.)

Claim.—1st. A plough comprising a beam, shoes fixed thereto, a point secured to said beam in front of said shoe, shovel boards