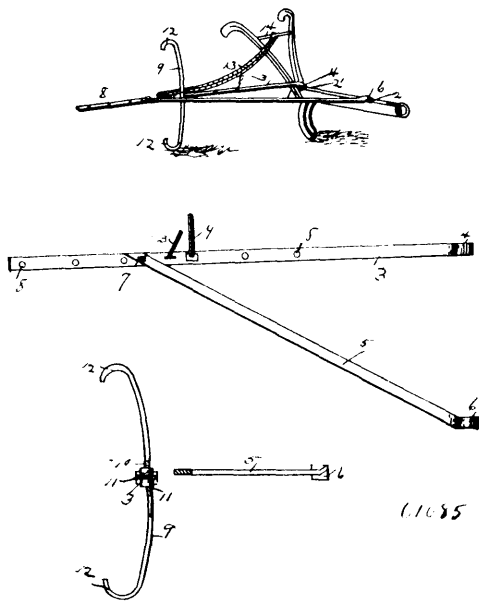


**Claim.**—1st. The combination in a shoe, of an upper, a cast metal bottom having integral pintles for fastening said bottom to said upper, leather plates for the sole and heel of said bottom having spring flanges for removably securing said leather plates to said bottom, substantially as described. 2nd. The improved shoe comprising a metal bottom integrally including the sole and heel, having pintles embedded therein near the outer edges, and having at said edges a flaring part to receive a flange, of a pad or cushion and a guarding rib to protect the upper edge of said flange, a cushion having said flange, and an upper held to the metallic bottom substantially as described. 3rd. The improved metal molders' or furnace-men's shoes, comprising a metallic bottom integrally embodying sole and heel parts which have at their edges keeper ribs, and are centrally hollowed out at the upper side, said casting at the upper edges being provided with vertical ribs having pintles cast therein, an upper and insole or lining held directly upon said metal body by said pintles, and a non-conductive filling arranged between the metal and said insole, whereby the heat conducted by the metal will not be freely transmitted to the said lining and foot, substantially as set forth.

#### No. 61,085. Row Gauge for Ploughs.

(Mesure pour sillons de charrue.)



Argent A. Havis, assignee of Charles N. Rountree, both of Fort Valley, Georgia, U.S.A., 3rd September, 1898; 6 years. (Filed 6th August, 1898.)

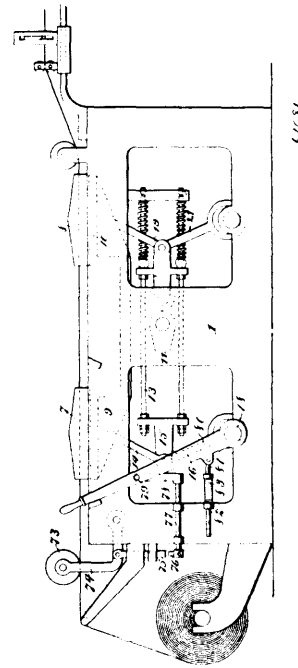
**Claim.**—1st. The combination with the beam provided with staples 2, 2', of the lateral gauge-bar 3, hinged to the staple 2', and the diagonal frame 5 hinged to the staple 2 and having its outer end fixed to said hinged gauge-bar, and the crescent-shaped gauge 9 provided with the threaded central portion 10 and adjustably secured to said gauge-bar by the nuts 11, 11, substantially as shown and described. 2nd. The beam 1, provided with the fixed aligned staples 2, 2', in combination with the lateral gauge-bar 3, provided with a series of transverse orifices 8, 8, and eye 5, hinged to said staple 2', the diagonal brace 5 secured at its outer end to the bar 3 by the bolt 7, and provided with the eye 6, hinged to said staple 2, the crescent-shaped reversible gauge 9, provided with the central threaded portion 10, the nuts 11, 11, adapted to removably secure said gauge in the orifices 8, 8, in the bar 3, and the flexible chain 13, connecting said bar with the plough handle brace 14, and adapted to support said bar in a horizontal position on either side of the beam, substantially as shown and described.

#### No. 61,086. Printing Press. (Presse à imprimer.)

William Grant Johnson and Robert S. Clymer, both of Woodbury, New Jersey, U.S.A., 3rd September, 1898; 6 years. (Filed 3rd August, 1898.)

**Claim.**—1st. A printing press, comprising a frame, a platen mounted on said frame, a vertically movable type-bed, a fixed shaft, a horizontally movable frame, a link extended from the shaft to said frame, a link extended from the frame to the type-bed, and a cam on a rotary shaft, for moving the frame in one direction, substantially as specified. 2nd. A printing press, comprising a

frame, a platen mounted to swing vertically with relation to the frame, a type-bed, and means for moving said type-bed vertically



beneath the platen, substantially as specified. 3rd. A printing press, comprising a frame, a platen mounted on said frame, means for moving paper along said platen, a type-bed movable below the platen, means for moving said type-bed vertically, and means controlled by the paper being printed upon, for controlling the mechanism for operating the type-bed, should the strip of paper be broken while passing through the press, substantially as specified. 4th. A printing press, comprising a frame, a platen mounted on said frame, a vertically movable type-bed, a normally fixed shaft, an eccentric on said shaft, a horizontally movable frame, a link extending from said eccentric to said frame, a link extended from the frame to the type-bed, a cam on a rotary shaft for moving the frame in one direction, and means for rocking the shaft and eccentric, should a break occur in the paper passing through the press, substantially as specified. 5th. A printing press, comprising a frame, two platens mounted thereon, a type-bed movable vertically under each platen, a frame movable horizontally in the printing press frame, a shaft having a cam for moving said horizontally movable frame, link connections between said frame and the type-beds, link connections between said frame and eccentrics on rock-shafts, crank-arms on said rock-shafts, a link connection between said crank-arms, a spring-pressed lever having link connection with one of said crank-arms, a rock-shaft for holding said lever in its normal position, and a tripping roller normally engaging with paper passing through the press and adapted to rock the shaft to disengage it from the lever should the paper break, substantially as specified. 6th. A printing press, comprising a frame, two platens mounted thereon, a printing bed movable vertically under each platen, a frame movable in the printing press frame, means for moving said frame, link connections between said frame and the type-beds, normally fixed rock-shafts, eccentrics on said rock-shafts, link connections between said eccentrics and the movable frame, inking rollers movable over the type-beds, levers with which said rollers have yielding connection, said levers being mounted to rock on the rock-shafts, a link connection between opposite levers, an arm extended downward from said link, a roller on said arm, and a cam engaging with said roller, substantially as specified.

#### No. 61,087. Animal Shears. (Ciseau pour tondre les animaux.)

William Maurice and Amedia S. Clark, both of New York, U.S.A., 3rd September, 1898; 6 years. (Filed 16th June, 1898.)

**Claim.**—1st. In shears, the combination with an enclosing case, of stationary teeth attached thereto, cutter blades projecting therefrom pivoted in a plane at or near the forward side of said case, a reciprocating bar for actuating said cutter blades and a track for said bar attached to said case. 2nd. In shears, the combination of a yoke, a removable bottom plate provided with a series of teeth a removable cover which together with the yoke and bottom plate forms a case for the working parts, pivoted cutter blades, a reciprocating bar for actuating said cutter blades and a track for said reciprocating bar rigidly attached to said yoke. 3rd. In a shears, the combination