

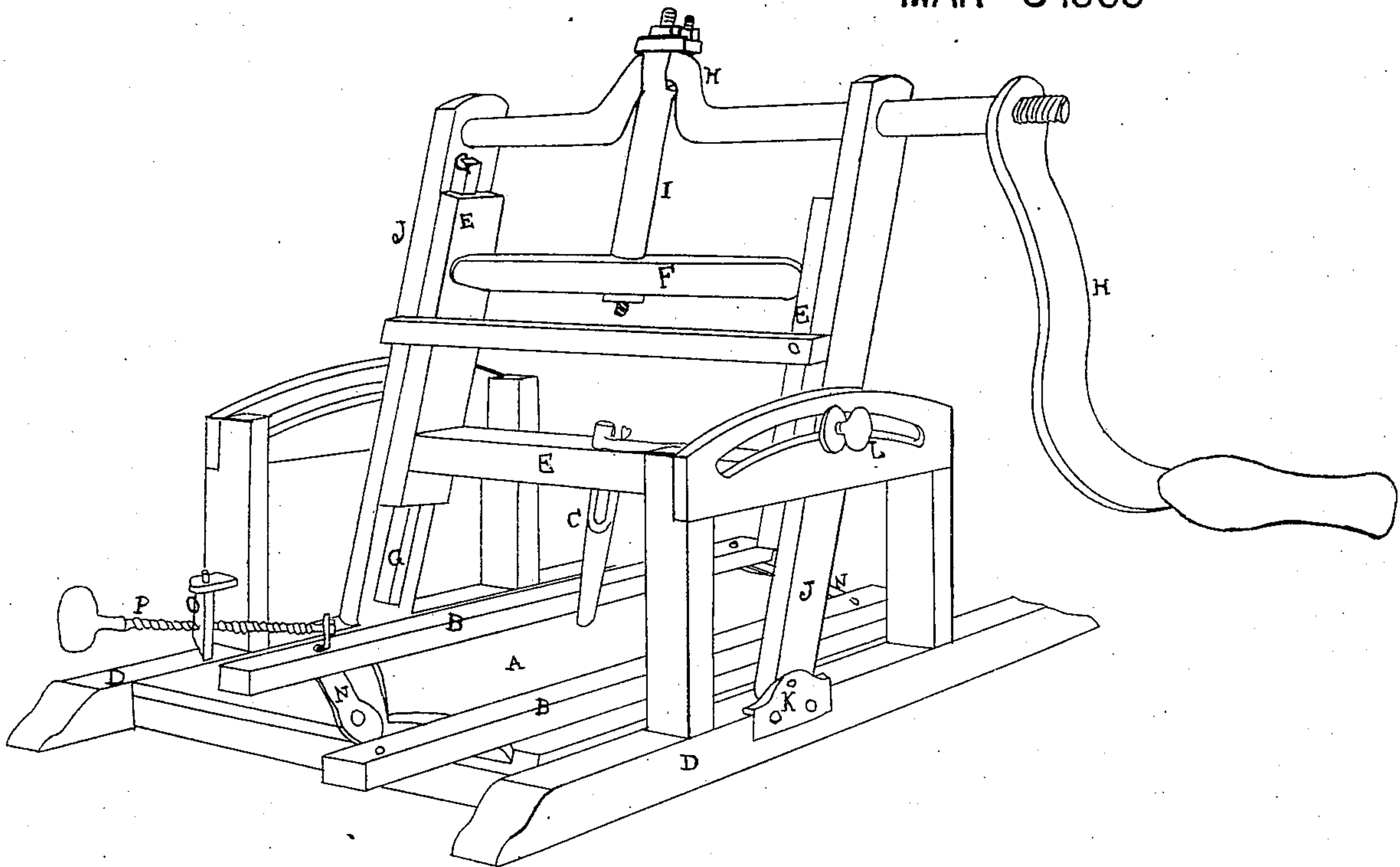
Charles Steinbach's

LEATHER PUNCHING-MACHINE.

75068

PATENTED

MAR 3 1868



Witnesses
DeVoson Wood
Stillman W. Robinson

Inventor
Charles Steinbach

United States Patent Office.

CHARLES STEINBACH, OF LIMA, MICHIGAN.

Letters Patent No. 75,068, dated March 3, 1868.

IMPROVED PUNCHING-MACHINE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES STEINBACH, of the town of Lima, in the county of Washtenaw, and State of Michigan, have invented a new and useful Machine for Punching Holes in Leather; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification.

The invention consists substantially of a hollow punch, which may be set at any desired angle and operated by a crank, and of a set of parallel rulers for guiding the strips of leather while being punched.

A is a plane board, which is secured in any convenient way to the frame D D, upon which the leather rests during the operation of punching. E E E is a frame, which slides freely along the tongue G G. The piece F is so connected with E that it may rotate upon an axis, and is connected with the double crank H H by the bar I. The hollow punch C is attached to E, and may be made to move to and from the plate A by simply turning the crank H. The frame J J, along which E E moves, is made to turn upon an axis, K, at its lower end, and is secured at any desired inclination by the screw L. This is to enable the operator to punch at any angle.

To guide the leather so that the operator can readily make the holes at the middle of the strip, the parallel rulers B B are used. The cross-pieces N N, to which the rulers B B are attached, are fastened by a single rivet for each to the board A. The rivets are midway between B B, and in a straight line which passes through the lower end of the punch. These rulers are adjusted for different widths of leather, and are held by the screw P, the body of which passes through an axle, O, attached to the frame D D, and the end of which is attached to one of the rulers B B. By turning the screw P the space between the parallel rulers B B may be increased or decreased at pleasure. The ends of the board A are cut away, so that the upper surfaces of N N shall be as low or lower than the remaining surface of A.

What I claim as my invention, and desire to secure by Letters Patent, is—

A punch moved by a crank, which may be set at any desired angle, as herein specified and for the purposes set forth.

Also, the adjustable parallel rulers, substantially as herein specified.

CHARLES STEINBACH.

Witnesses:

DE VOLSON WOOD,
S. W. ROBINSON.