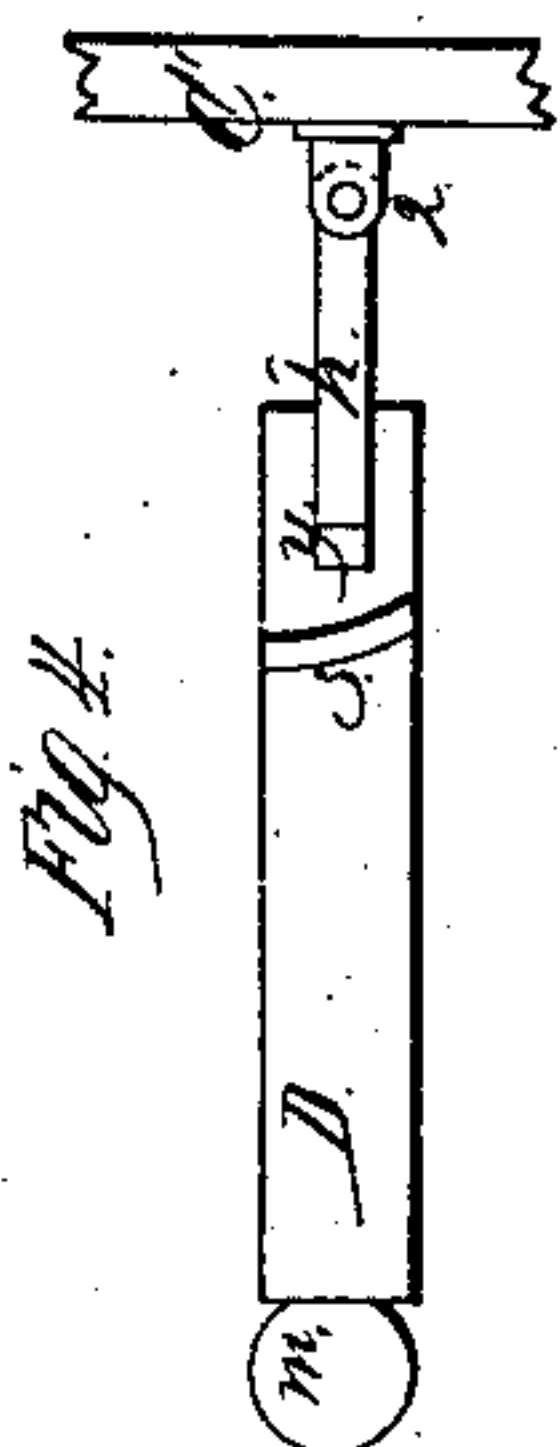
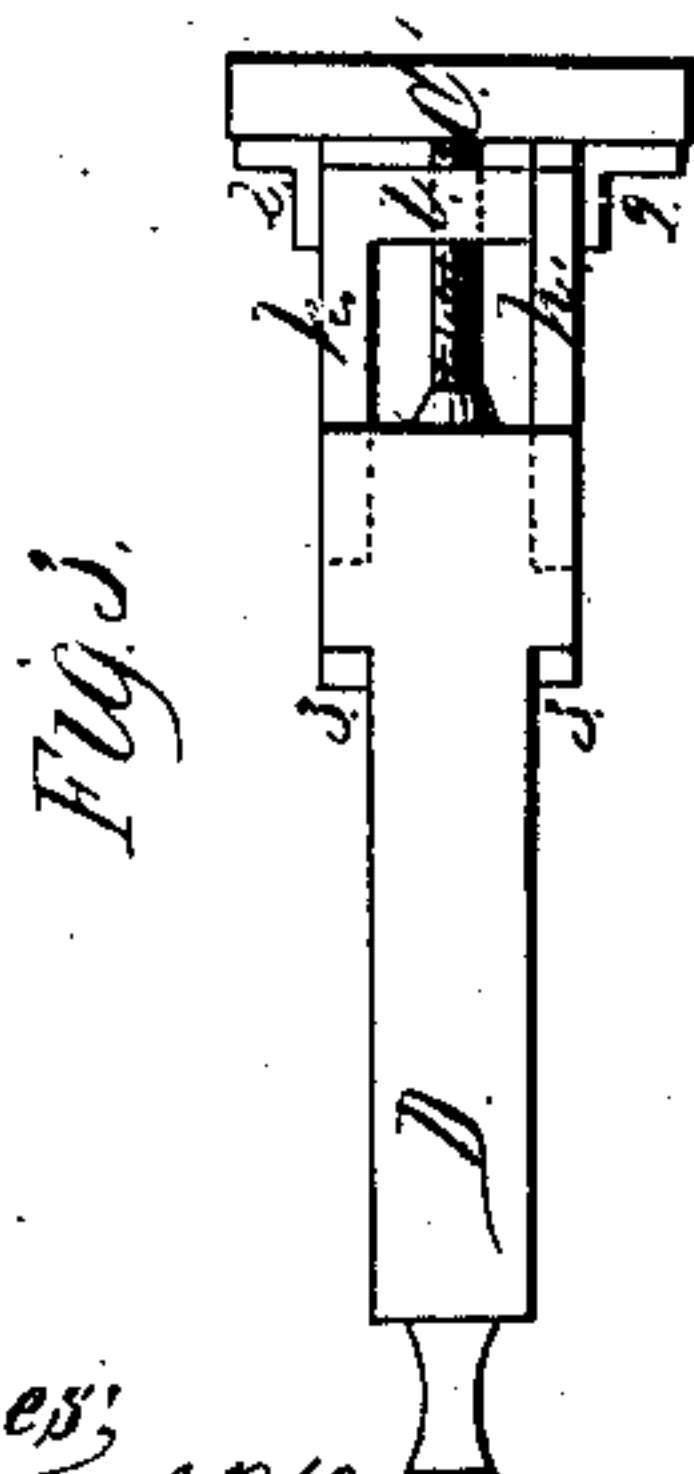
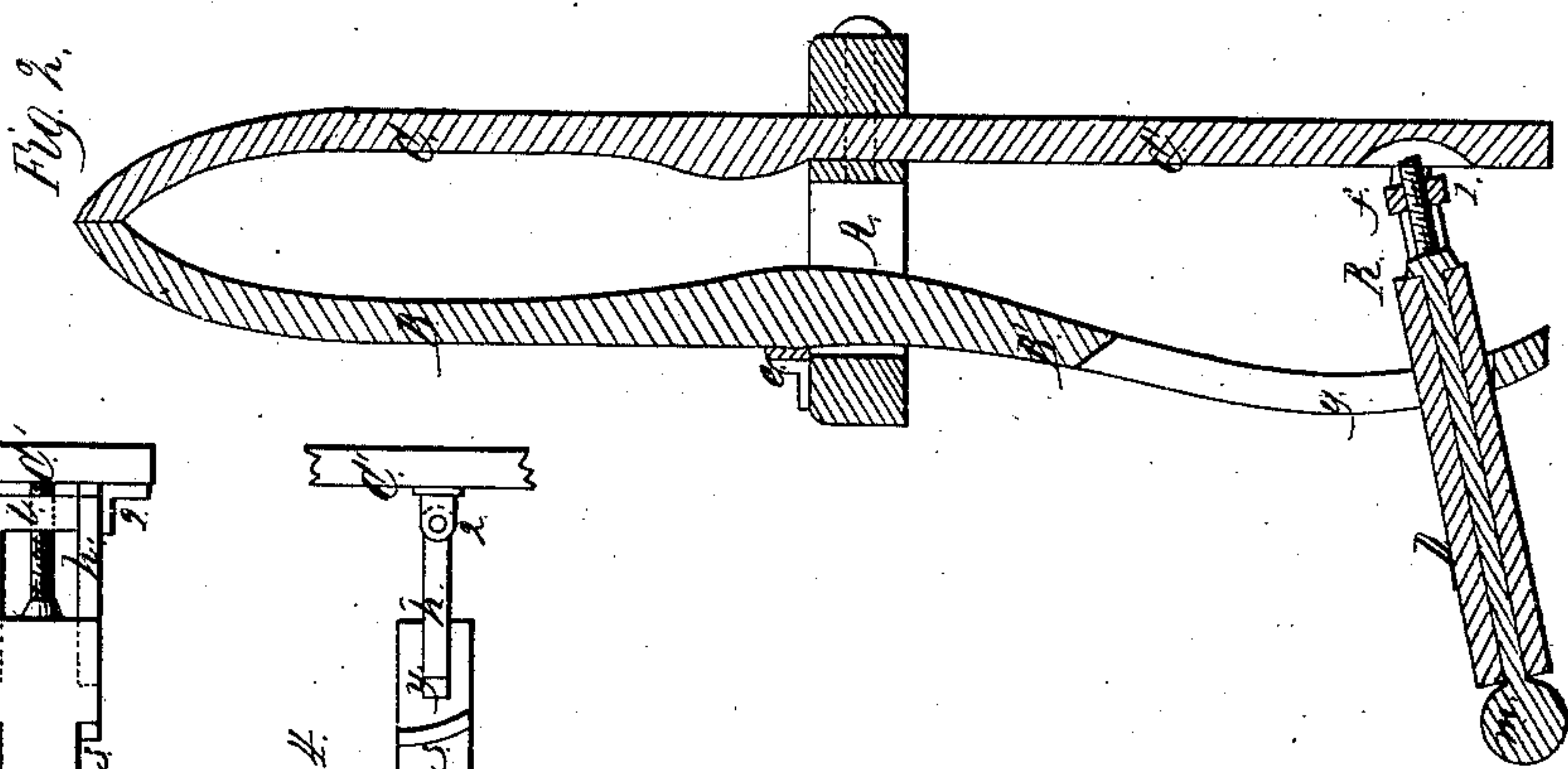
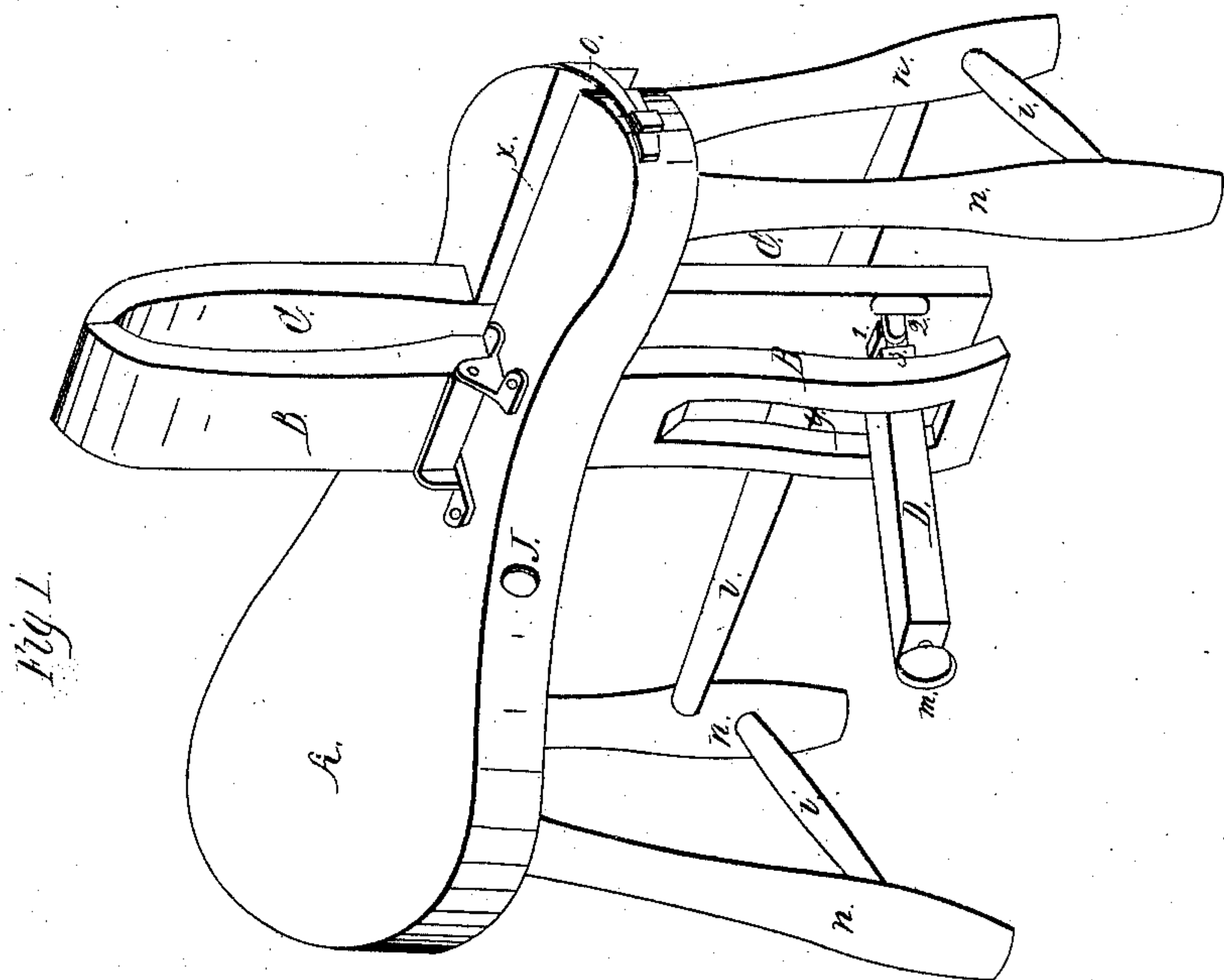


I. A. Smith
Harness Tool.

N^o 62,570.

Patented Mar. 5, 1867.



Witnesses:
James M. Biddle.
James J. Johnston.

Inventor:
Isaac A. Smith.

United States Patent Office.

ISAAC A. SMITH, OF CONNELLSVILLE, PENNSYLVANIA.

Letters Patent No. 62,570, dated March 5, 1867.

IMPROVED SEWING-HORSE.

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, ISAAC A. SMITH, of Conneltsville, in the county of Fayette, and State of Pennsylvania, have invented a new and useful improvement in saddle and harness-makers "Sewing-Horse;" and I do hereby declare the following to be a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

My improvement in "sewing horse" for saddle and harness-makers, consists in extending the clamping jaws of the horse below the seat, and providing said extended parts with an adjusting lever so arranged with relation to the jaws that any desired grasp may be given to them, the whole being constructed, arranged, and operated as hereinafter described.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation. In the accompanying drawings, which form part of my specification—

Figure 1 represents a perspective view of my improved sewing-horse for saddle and harness-makers.

Figure 2 represents a longitudinal section of the clamping jaws, and the lever connected therewith.

Figure 3 represents a top view of the adjusting lever, and a transverse section of the jaw to which the lever is attached.

Figure 4 represents a side view of the lever and a section of the jaw to which it is attached.

In the drawings, A represents the seat, which is provided with a slot marked, X, and a latch, O, which is used for closing the end of the slot, and for preventing the part of the seat which is forward of the clamping jaws from springing or spreading. The clamping jaw B B' is pivoted to the seat A by means of a hinge marked e, and is provided with a slot, g, in which moves the lever D. The jaw C C' is permanently secured to the seat A, and to the lower part of the jaw is attached and pivoted the lever D, which is provided with an adjusting screw, m, which works in a screw-nut, l, which is pivoted in lugs, marked 2, which are secured to the lower part of the clamping jaw C C'. The screw-nut l is provided with two arms, h, which move in grooves, y, made in lever D. The lever D is provided with a shoulder, 3, which acts against the inside of the lower part of the clamping jaw B B', and should be faced with lead or other material which will not slip. The legs n of the horse are braced by the rundles i. J represents a bolt, which passes transversely through the seat A, near the back edge of the clamping jaws, and is used for the purpose of preventing the seat A from splitting by any strain or force which may result from the action and force of the clamping jaws. As the construction and arrangement of the several parts constituting my improved sewing-horse will readily be seen and understood by the skillful mechanic, by reference to the accompanying drawings, I will therefore proceed, without further description, to describe its operation.

When the lever D is thrown up into the position indicated by the dotted lines f, the jaws are unclamped and ready to receive the article to be sewed. When I desire to clamp the jaws I press down on the lever D, and the shoulders 3 will press against the inside of the lower part of the jaw B', which will cause the upper parts of the jaws B and C to come together and grasp the object placed between them; when I desire to release the object from the grasp of the jaws I raise the lever D, as indicated by the dotted lines f. When I desire to increase or diminish the clamping power of the jaws I adjust the length of the lever D by means of the screw m, the action and operation of which will be clearly seen by reference to the accompanying drawings. The slot X is used for the purpose of receiving and giving room for such articles as buggy-dashes, "housings," &c. When sewing such articles the latch O is thrown back so that the article may be allowed to enter the slot X. The advantage of this slot, in connection with the jaws of a sewing-horse, will be very apparent to the skillful saddle or harness-maker. It will readily be observed that the lever D can be operated by the foot of the operator. The outer end of the lever D, in the clamping process, should always be pressed down below the dotted line R; this will hold the lever in a fixed position, and prevent it from slipping up and thereby unclamping the jaws.

The advantage of my improvement consists, first, in increasing the clamping or grasping power of the jaws, which is accomplished by the extension B' and C' of the jaws, and the application of the lever D to said extended parts of the jaws; second, in obtaining room between the jaws by means of the slot X for the purpose described.

Having thus described the nature, construction, and operation of my improvement, what I claim as of my invention, is—

The adjustable lever D, provided with the screw *m*, and used in connection with the extension B' and C' of clamping jaws, said lever and jaws being constructed, arranged, and operating substantially as herein described and for the purpose set forth.

ISAAC A. SMITH.

Witnesses:

JAMES J. JOHNSTON,

A. C. JOHNSTON.