

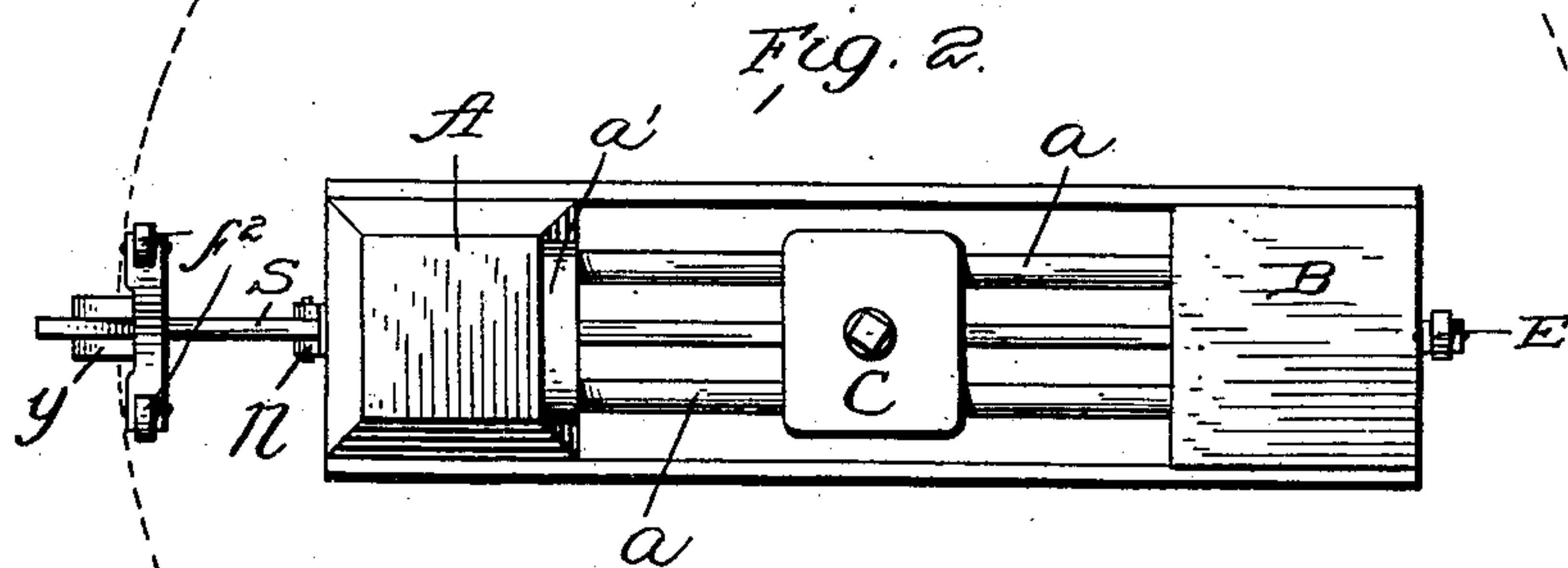
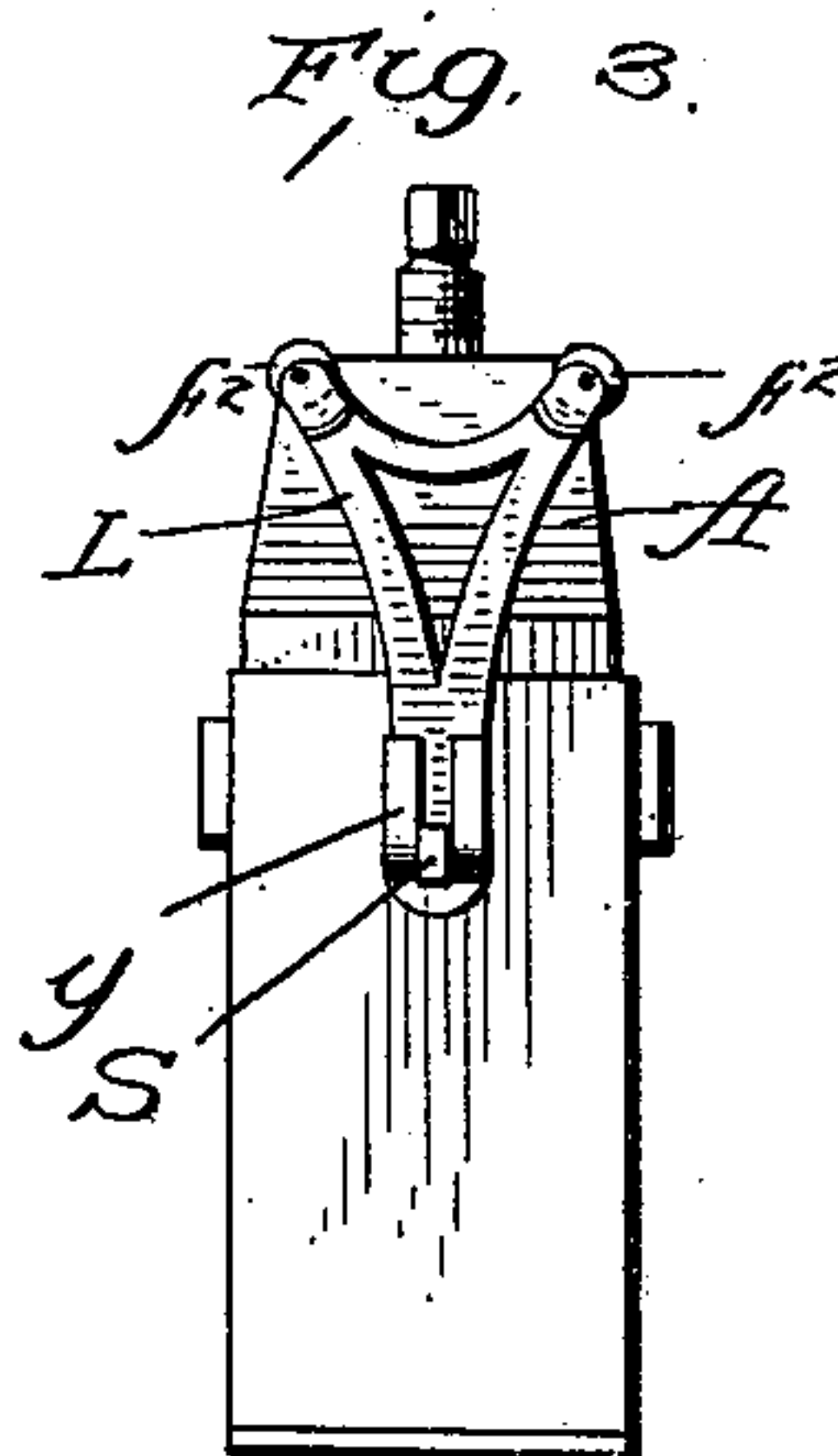
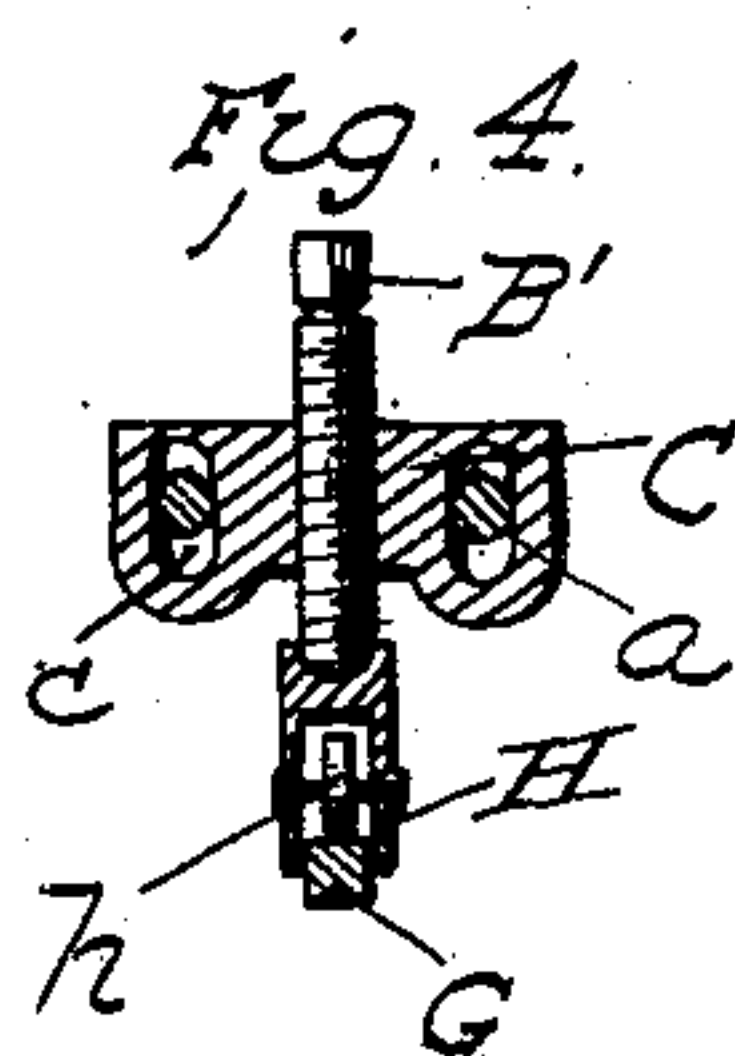
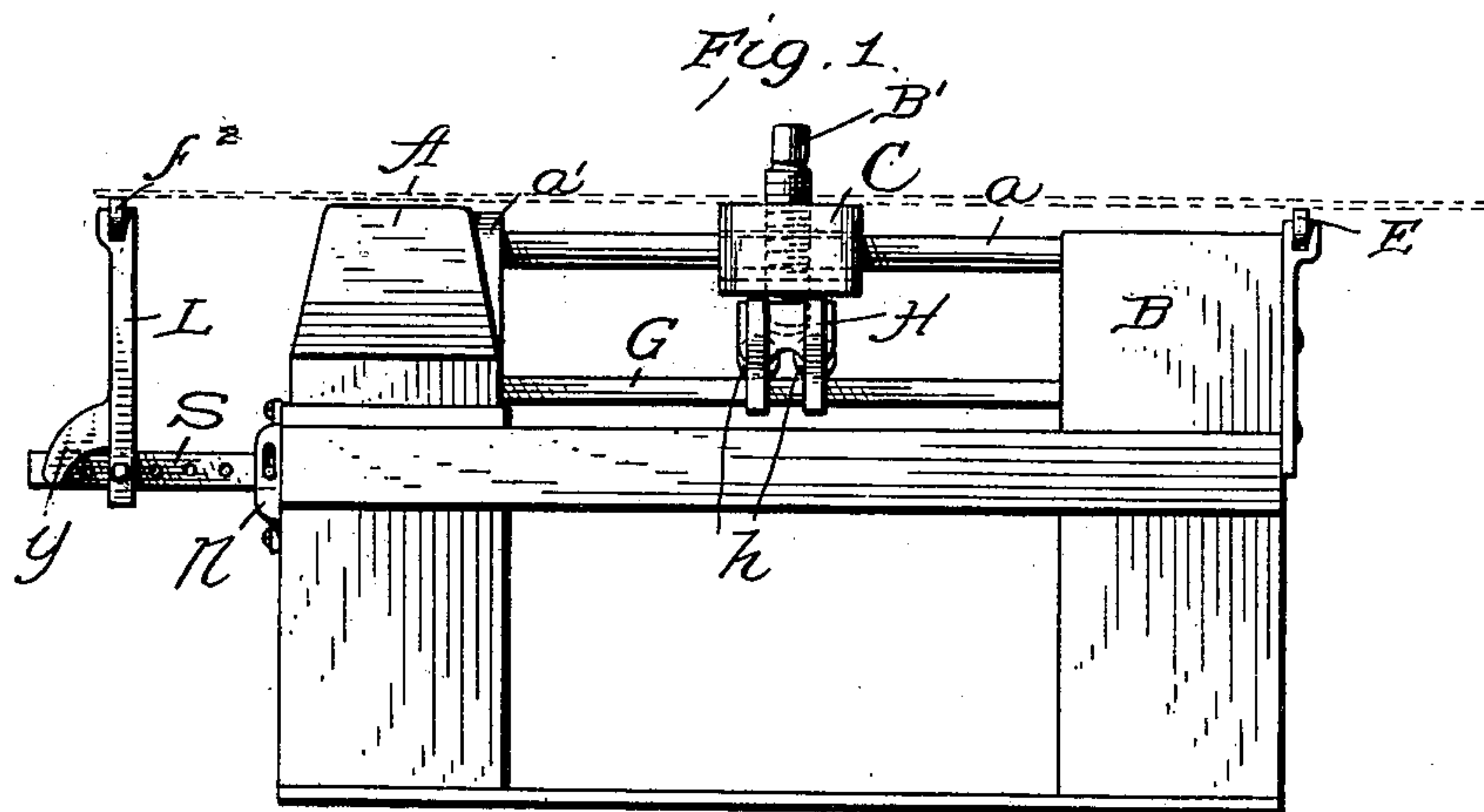
No. 712,703.

Patented Nov. 4, 1902.

J. H. MINER.  
DEVICE FOR HOLDING SAWS.

(Application filed Apr. 19, 1902.)

(No Model.)



Attest:  
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# UNITED STATES PATENT OFFICE.

JAMES HENRY MINER, OF LUMBERTON, MISSISSIPPI.

## DEVICE FOR HOLDING SAWS.

SPECIFICATION forming part of Letters Patent No. 712,703, dated November 4, 1902.

Application filed April 19, 1902. Serial No. 103,833. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES HENRY MINER, a citizen of the United States, residing at Lumberton, Pearl River county, Mississippi, have  
5 invented certain new and useful Improvements in Devices for Holding Saws, of which the following is a specification.

My invention relates to improvements in saw-testing devices, and the object of the invention is to provide a device by which a saw  
10 may be tested to ascertain what inequalities or imperfections exist preparatory to hammering the saw for the purpose of straightening it.

15 The invention is designed to be applied to or connected with any ordinary saw-hammering anvil.

I have illustrated the invention in the accompanying drawings, in which—

20 Figure 1 is a side elevation. Fig. 2 is a plan view, and Fig. 3 is a front view. Fig. 4 is a cross-sectional view of the carrier C.

In the drawings, A represents an anvil-support of any desired form, having a flat  
25 upper surface for supporting the saw while being hammered. A standard B is located at a suitable distance. A pair of rails  $\alpha$  are supported at their front ends from the anvil block or support by means of a bracket  $\alpha'$   
30 and at their rear ends from the standard B, and on these rails is guided a saw-carrier C, having a central pin for engaging the opening in the central opening of the saw. An  
35 antifriction-roller E is attached to standard B. On the face of the anvil support or block is located a support N, having a perforated arm S, carrying a sliding bracket L, which  
widens outward toward the top and supports two antifriction-rollers  $f^2$ . This bracket has  
40 a fork  $\gamma$  at its lower end and is pivotally connected to bar S. When bracket L is pulled forward to a vertical position, the forks  $\gamma$  come against and over bar S, thus holding it rigid while the saw is supported.

45 In testing the saw, which has been placed with its central opening engaging the pin B', it will be seen that one portion of the edge rests on the roller E, while the portion of the edge diametrically opposite will be over the  
50 rollers  $f^2$ , in which position the saw is held entirely clear from the pin B' and supported wholly by the rollers  $f^2$  and E, and when so

supported the straight edge or gage is applied on a line at right angles to the supports, and in this way any inequalities or defects  
55 are accurately located. The antifriction-rollers enable the saw to be readily rotated and the gage applied to all points in the surface of the saw.

In order to make the supporting-pivot readily adjustable toward or from the anvil-block to accommodate different sizes of saws, I prefer to use a central supporting-rail G, with  
60 a trolley-block H, having wheels or rollers  $h$  bearing on the track. The supporting-rail G  
65 is located centrally of the rails  $\alpha$ , and the pin B' is threaded through the carrier C and bears at its lower end on the trolley-frame H. Thus by adjusting the pin B' the carrier  
70 may be raised, so that the weight of the saw is taken off the rails  $\alpha$ , and the carrier is thus rendered freely movable thereon.

The carrier C has elongated openings  $c$  to accommodate the raising or lowering of it, while the guide-rails  $\alpha$  are kept in close proximity to the carrier to prevent its tilting or  
75 leaning sidewise while being supported on the carrier.

When the saw is to be hammered, the bracket L is folded over against the anvil, so  
80 that the saw rests on the anvil for hammering.

Having thus described my invention, what I claim is—

1. In combination with an anvil support or block, a pair of rails located in proximity  
85 thereto, a central support for the saw guided on said rails, an edge support on the front of said anvil-support, substantially as described.

2. In combination with an anvil-block, a pair of horizontally-arranged guide-rails, a  
90 centrally-arranged supporting-rail, a carrier guided on said rails and supported by the supporting-rail and having means for supporting the center of the saw, and an edge-support for the edge of the saw carried on  
95 the outer portion of the anvil-block, substantially as described.

3. A saw-holding device having two parallel guide-rails and a central supporting-rail sustaining an antifriction-trolley, said trolley carrying a central supporting-pin for  
100 engaging a central hole in the saw and supports for the opposite edges of the saw, substantially as described.



4. In combination, an anvil, a pair of guide-rails extending to one side thereof, a supporting-rail located centrally thereof, a trolley-frame traveling on said supporting-rail, 5 a carrier adjustably mounted on said trolley-frame, said carrier having a loose connection with the guide-rails, substantially as described.

10 5. In combination, an anvil, a supporting and guiding track on one side thereof, a carriage cooperating therewith, an arm carried by said anvil on the opposite side, and an adjustable and removable bracket for supporting the saw carried by said arm, substantially as described. 15

6. In combination, an anvil, a supporting and guiding track on one side thereof, a carriage on said track, a horizontal arm on the other side of said anvil, a bracket sliding on said arm and having a widened upper end for 20 supporting the saw, and an outwardly-extending bracing-fork carried by the bracket and engaging the arm, substantially as described.

In testimony whereof I affix my signature 25 in presence of two witnesses.

JAMES HENRY MINER.

Witnesses:

J. N. FITE,  
L. GARDNER.