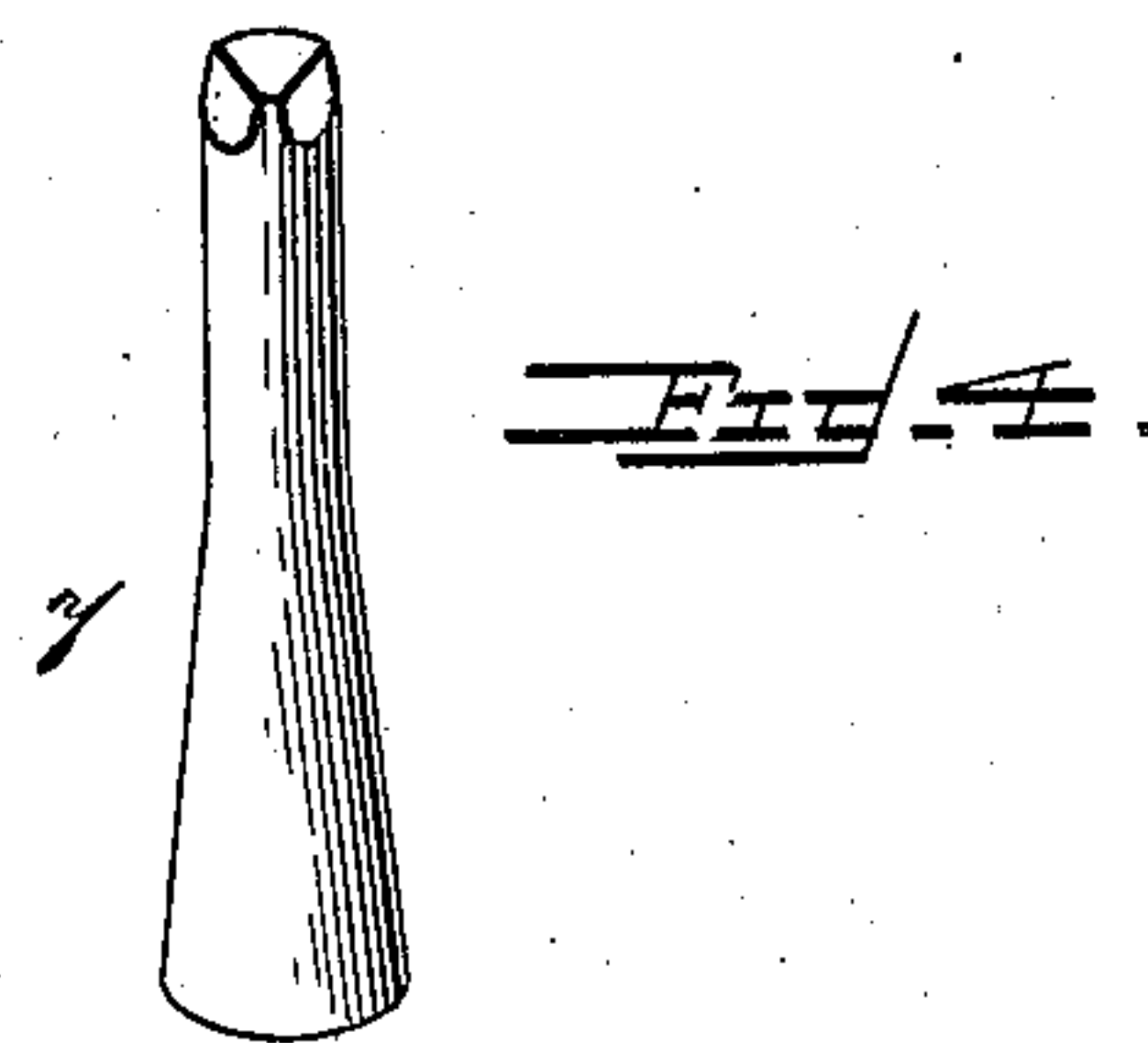
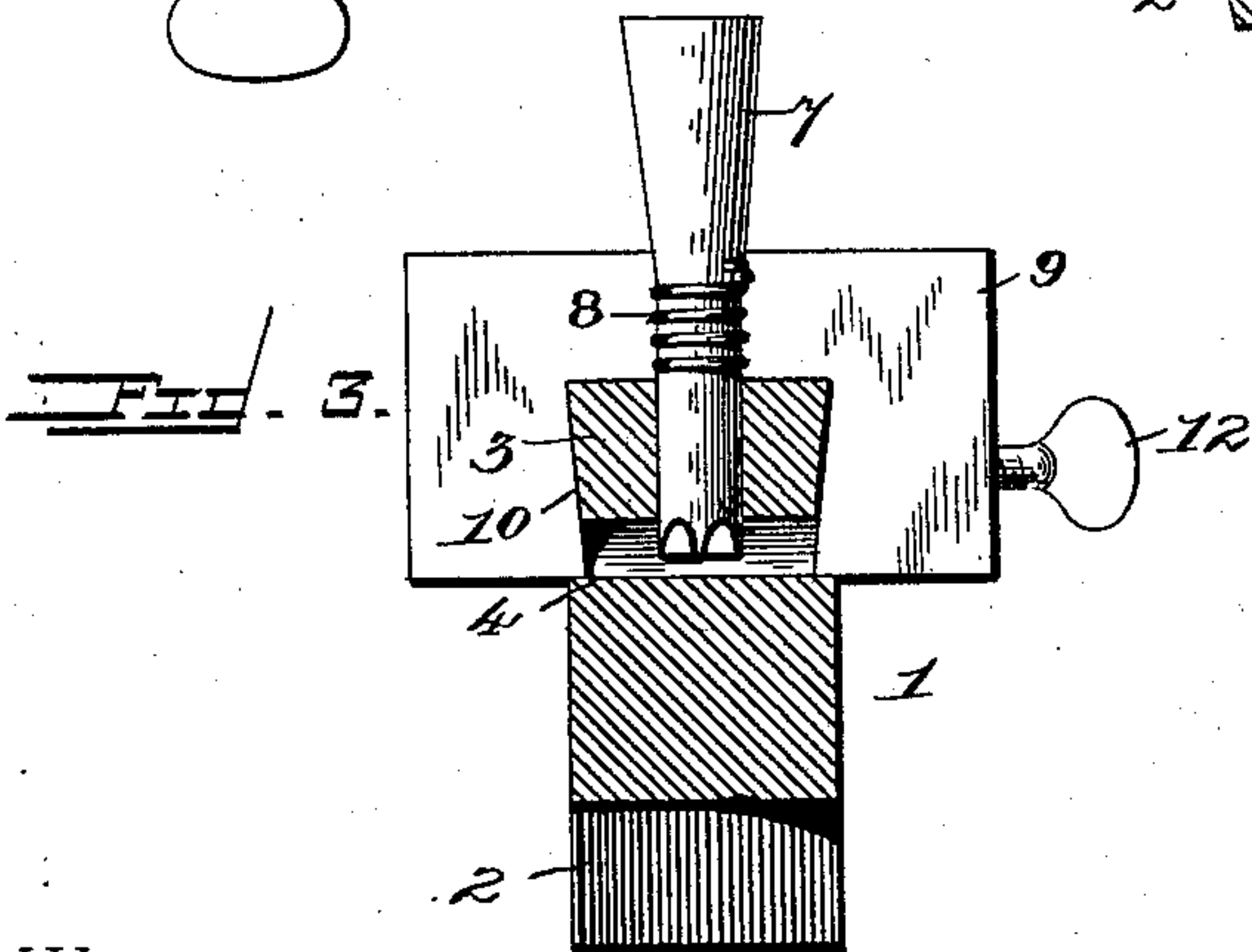
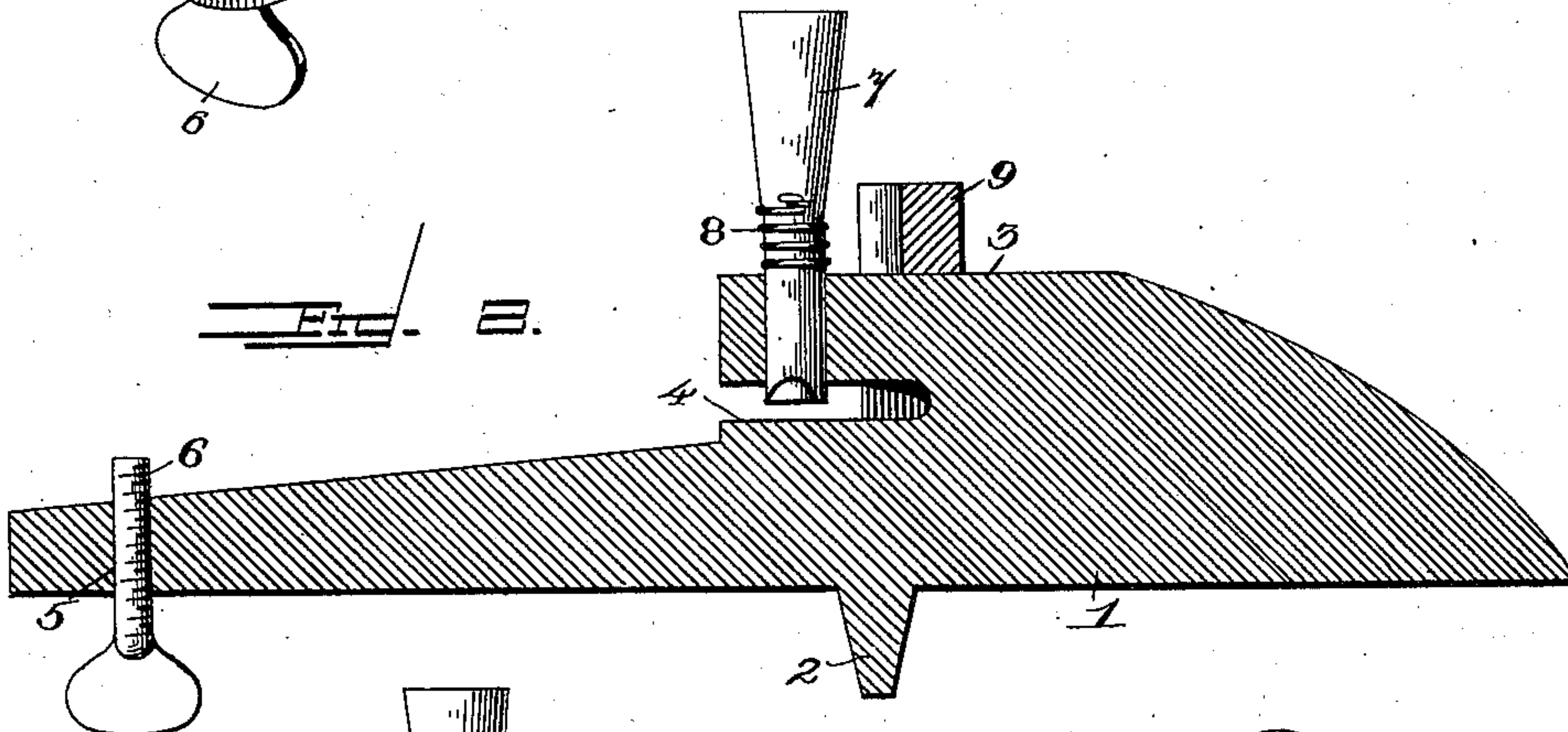
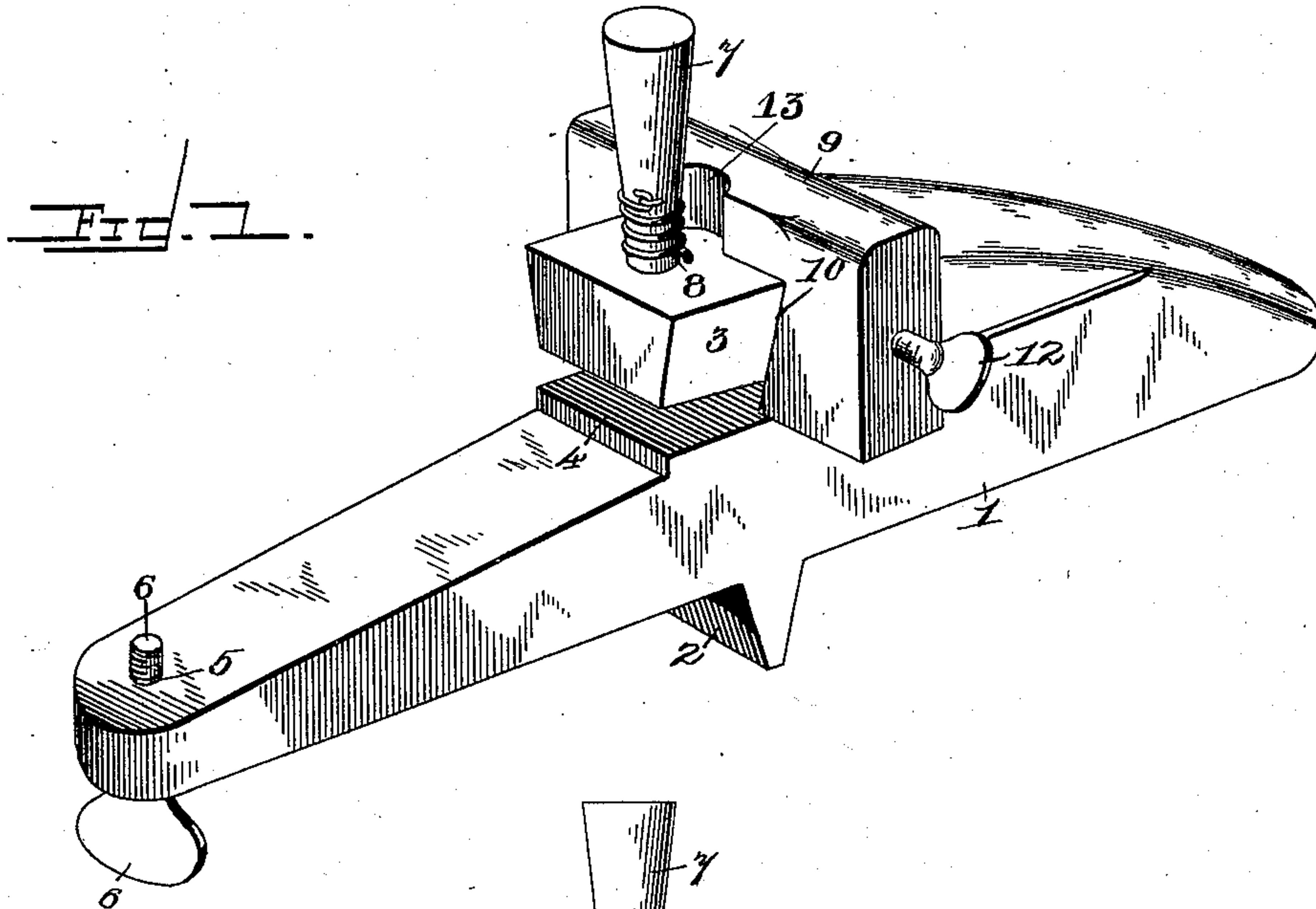


(No Model.)

J. D. BANNERMAN.  
SAW SET.

No. 576,940.

Patented Feb. 9, 1897.



Witnesses

*G. L. Mockabee*  
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*Joseph D. Bannerman,*

*C. A. Snow & Co.*



# UNITED STATES PATENT OFFICE.

JOSEPH D. BANNERMAN, OF MUSCOGEE, FLORIDA.

## SAW-SET.

SPECIFICATION forming part of Letters Patent No. 576,940, dated February 9, 1897.

Application filed June 15, 1896. Serial No. 595,630. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH D. BANNERMAN, a citizen of the United States, residing at Muscogee, in the county of Escambia and State of Florida, have invented a new and useful Saw-Set, of which the following is a specification.

The invention relates to improvements in saw-sets.

The object of the present invention is to improve the construction of saw-sets and to provide a simple, inexpensive, and efficient device which will be strong and durable, adapted to operate on large and small saws, and capable of accurately and uniformly setting the teeth of a saw to the desired extent.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a saw-set constructed in accordance with this invention. Fig. 2 is a central longitudinal sectional view. Fig. 3 is a transverse sectional view. Fig. 4 is a detail perspective view of the plunger, illustrating the construction of the lower end thereof.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a base consisting of a bar designed to be mounted on a suitable support and provided with a depending lug 2 to fit in an opening of the bench or support, and the base is provided at its rear portion with an arm 3, overhanging a flat centrally-arranged portion 4, which forms an anvil for the reception of the teeth of a saw. The front portion of the base has its upper face beveled or inclined, and it is provided at its outer end with a threaded perforation 5, receiving an adjusting-screw 6, and the latter, which has its head arranged beneath the base, projects above the same and is adapted to support the blade of a saw in position to give the teeth thereof the desired set.

The arm 3 of the base is provided with a vertical opening in which is arranged a vertically-movable plunger 7, adapted to be struck by a hammer, and having its lower

end, which is triangular, located above the anvil 4 in position to engage, successively, the teeth of a saw.

The plunger 7 is normally supported above the anvil by a coiled spring 8, mounted upon the top of the arm 3 and connected with the plunger, and after the latter is forced downward by a blow from a hammer it raises the plunger to its normal position.

The arm 3 has its side faces oppositely beveled and converging from the upper face of the arm to the lower face thereof, and interlocked therewith is an adjustable gage 9, disposed transversely of the base and provided with a tapering opening 10, conforming to the configuration of the arm 3. The gage, which is provided with a clamping-screw 12 to secure it at any desired adjustment, is adapted to slide to and from the plunger, and the front faces of its depending sides are adapted to have the teeth of a saw bear against it while the saw is being set to guide the same, so that all of the teeth will be uniformly and accurately positioned under the plunger. The beveling or recessing of the sides of the arm 3 forms longitudinal shoulders at opposite sides of the base, and the lower edges of the sides of the guide rest upon these shoulders. The gage is provided at its top with a curved recess 13, adapted to fit the plunger to enable the gage to be adjusted forward to enable the saw-set to operate accurately on small saws.

It will be seen that the saw-set is exceedingly simple and inexpensive in construction, that it is strong and durable, and that it is adapted to set the teeth of a saw uniformly and accurately to the desired extent.

Changes in the form, proportion, and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

What I claim is—

In a saw-set, the combination of a base having an anvil portion, and provided with a longitudinally-disposed arm overhanging the anvil portion and having oppositely-beveled side faces converging downward from the upper face of the arm to the lower face thereof, the transversely-disposed gage pro-

vided with a tapering opening conforming to the configuration of the arm and receiving the same, whereby the gage is interlocked with the same and is adapted to slide backward  
5 and forward thereon, said gage having its sides depending below the arm at both sides thereof to form guides for a saw, an adjusting-screw mounted on the gage and engaging the arm to secure the gage at the desired adjustment,

and a vertically-movable plunger mounted on the arm, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOSEPH D. BANNERMAN.

Witnesses:

W. G. CRENSHAW,  
JNO. B. ANDREWS.