

Owen & Barnes,

Screw Plate.

No. 93,552.

Patented Aug. 10, 1869.

Fig. 1.

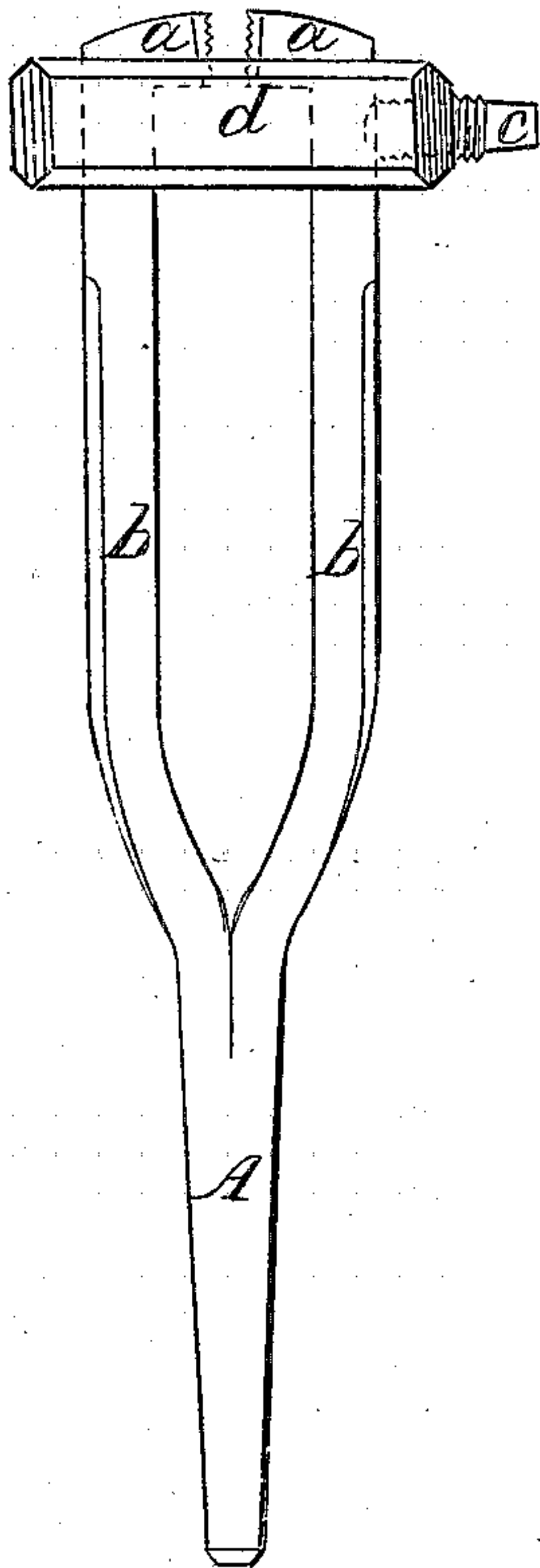
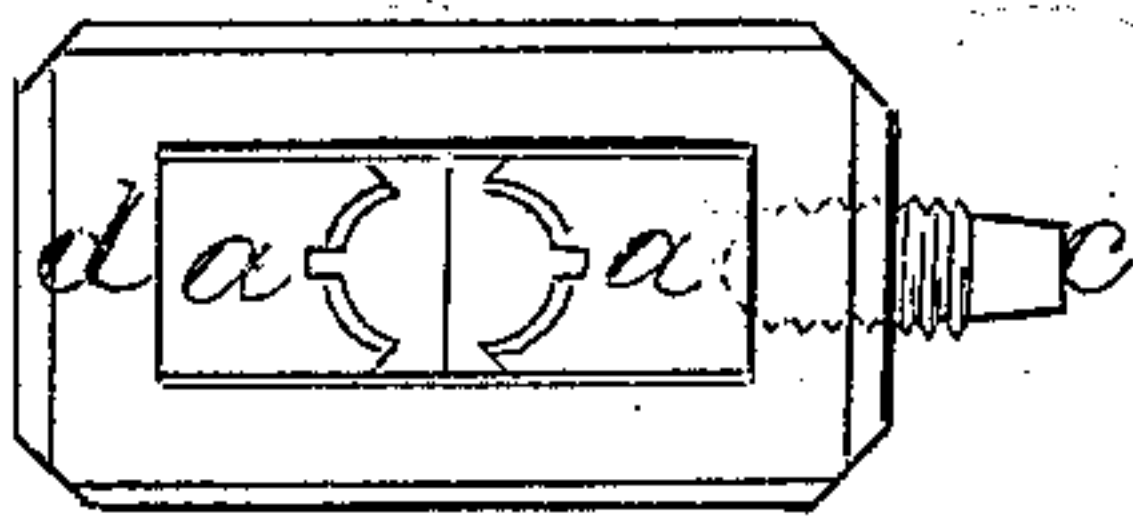


Fig. 2.



Witnesses

H. N. Miller

A. A. Mark-

Inventors

A. W. Owen & Jas. Barnes.

Per.

J. H. Alexander

Att

# United States Patent Office.

A. W. OWEN AND JAMES BARNES, OF EAST CANTON, PENNSYLVANIA.

*Letters Patent No. 93,552, dated August 10, 1869.*

## IMPROVEMENT IN SCREW-PLATES.

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

*To all whom it may concern:*

Be it known that we, A. W. OWEN and JAMES BARNES, of East Canton, in the county of Bradford, and State of Pennsylvania, have invented certain new and useful Improvements in Screw-Plates; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 represents a side view, and

Figure 2, an end view of our screw-plate.

Similar letters of reference indicate like parts in both figures.

The nature of our invention consists in the employment of a bar, formed with bifurcated arms, which are formed, at their upper ends, with screw-thread plates, the said bar being provided with a clamp, and operated by means of a set-screw, substantially in the manner, and for the purpose described.

To enable others skilled in the art to which our invention appertains, to make and use the same, we will now describe its construction and operation.

In the accompanying drawings—

A represents a bar, which is cast solid with the forked arms *b b*, each arm being provided, at its up-

per end, with the projections *a a*, which are cast solid with the arms *b b*, and formed, on their inner surface, with the screw-threads, as seen in fig. 1.

*d* represents the clamp, fitting over the upper ends of the arms *b b*, the said clamp being provided with the set-screw *c*, by which one of the forks is placed at any desired distance from the other.

The end of the bar A is intended to be placed into a common anvil.

Having thus fully described our invention,

What we claim as new, and desire to secure by Letters Patent, is—

Constructing screw-cutting dies *a a*, on the enlarged extremities of the spring-forks *b b*, projecting from, but in one piece with the stock A, and combining therewith the clamp *d* and set-screw *c*, substantially as described.

In testimony that we claim the foregoing as our own, we affix our signatures, in presence of two witnesses.

A. W. OWEN.  
JAMES BARNES.

Witnesses:

E. NEWMAN,  
WM. F. MERRICK.