

O. F. BROCKHAUSEN.  
Blasting-Wedge.

BEST AVAILABLE COPY

No. 206,927.

Patented Aug. 13, 1878..

Fig: 1.

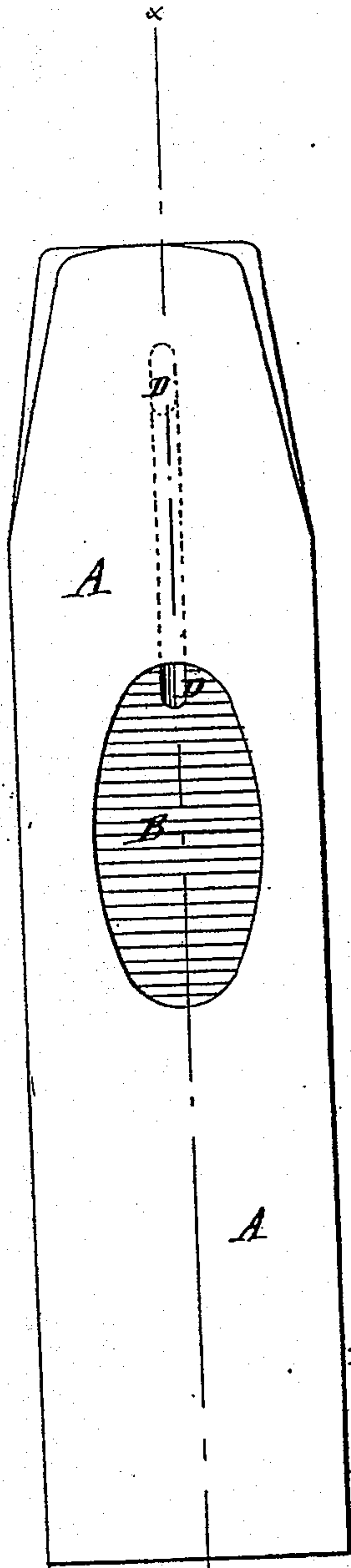


Fig: 3.

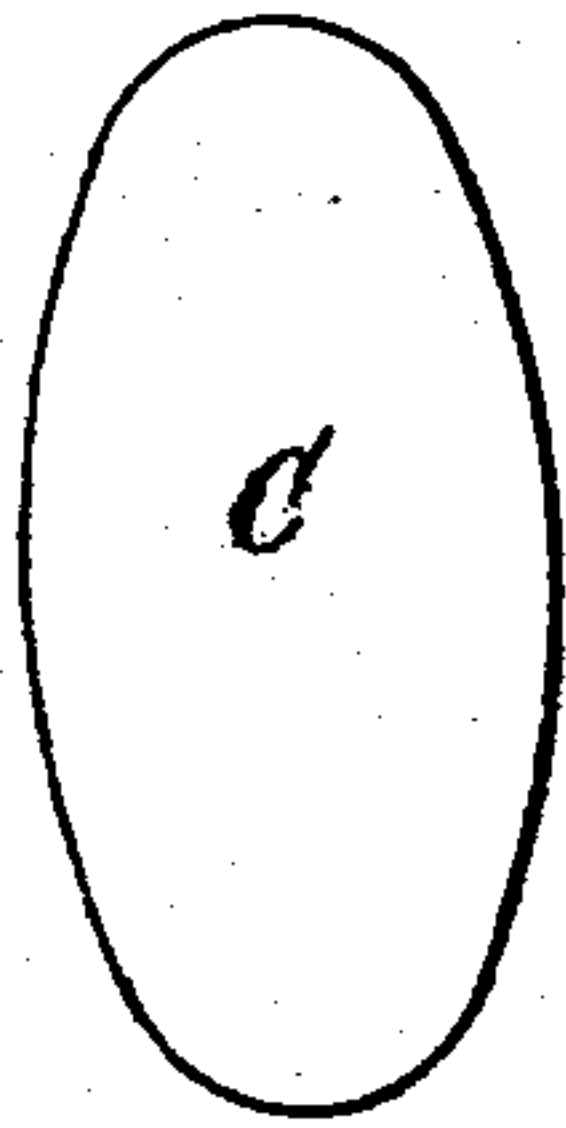
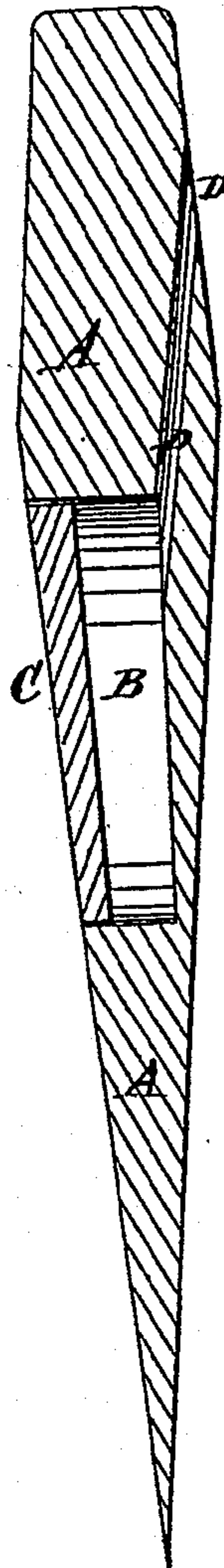


Fig: 2.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

OTTO F. BROCKHAUSEN, OF RENO, NEVADA.

## IMPROVEMENT IN BLASTING-WEDGES.

Specification forming part of Letters Patent No. 206,927, dated August 13, 1878; application filed June 8, 1878.

*To all whom it may concern:*

Be it known that I, OTTO FREDRICK BROCKHAUSEN, of Reno, in the county of Washoe and State of Nevada, have invented a new and Improved Blasting-Wedge, of which the following is a specification:

The object of my invention is to furnish a simple and effective mode and device for blasting logs or splitting logs by blasting with gunpowder in such a way as to effect a saving of time, labor, and fuse, as compared with the old method of boring the log and charging the hole with gunpowder.

In the accompanying drawing, Figure 1 represents a side view of my blasting-wedge. Fig. 2 is a longitudinal section of the same on the line *x x* of Fig. 1. Fig. 3 is a plan view of the cover detached from the recess.

Similar letters of reference indicate corresponding parts.

A is the wedge. B is the recess or chamber made in the wedge A from one side. C is the cover, made to close the opening of the recess B in the side of the wedge A. D is the fuse-hole, leading from the chamber B to the exterior through the head of the wedge, and issuing at the side of the extreme end of the head,

so as not to be directly exposed to the blows in driving the wedge into the log.

To split a log, the wedge A is driven into the wood nearly to the chamber B. The latter is then charged with gunpowder or other explosive, and the cover C (lined with canvas stretched over its inner side and edges to insure a very tight fit) is driven into the opening of the chamber B until the outside of the cover C is flush with the side of the wedge A. The wedge is then driven in farther until the whole cover C is in the wood, after which the fuse is inserted through the hole D and ignited, thus exploding the powder in the recess B and blasting the log.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The wedge A, having the recess or chamber B, the fuse-hole D, and the cover C, to fit the said recess, to adapt it to be charged with explosives for blasting purposes, substantially as set forth.

OTTO FREDRICK BROCKHAUSEN.

Witnesses:

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CHARLES GULLING.