(No Model.)

R. NEILSON.

HAMMER HEAD.

No. 453,720 Patented June 9, 1891.

Fig. 1.

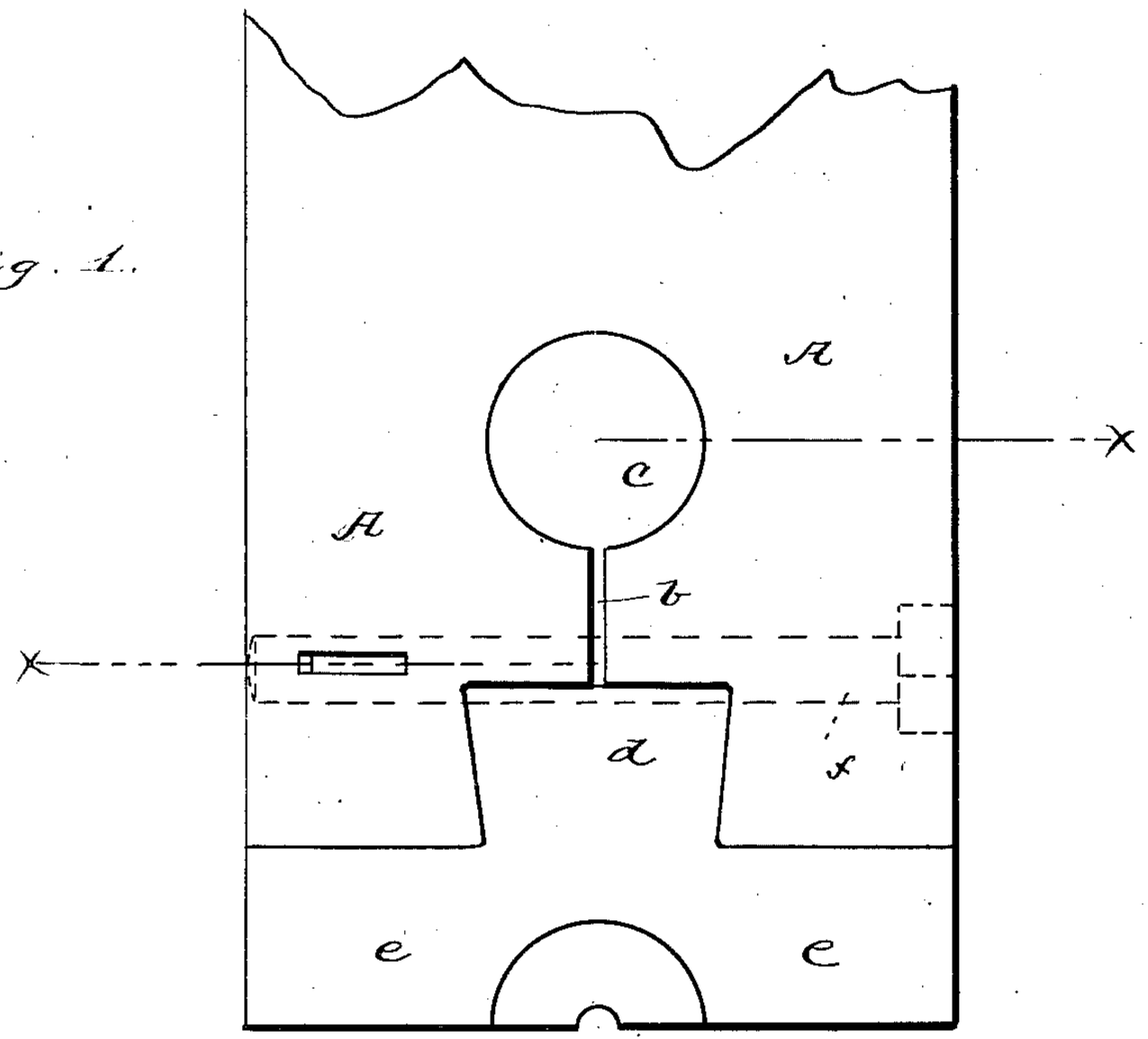
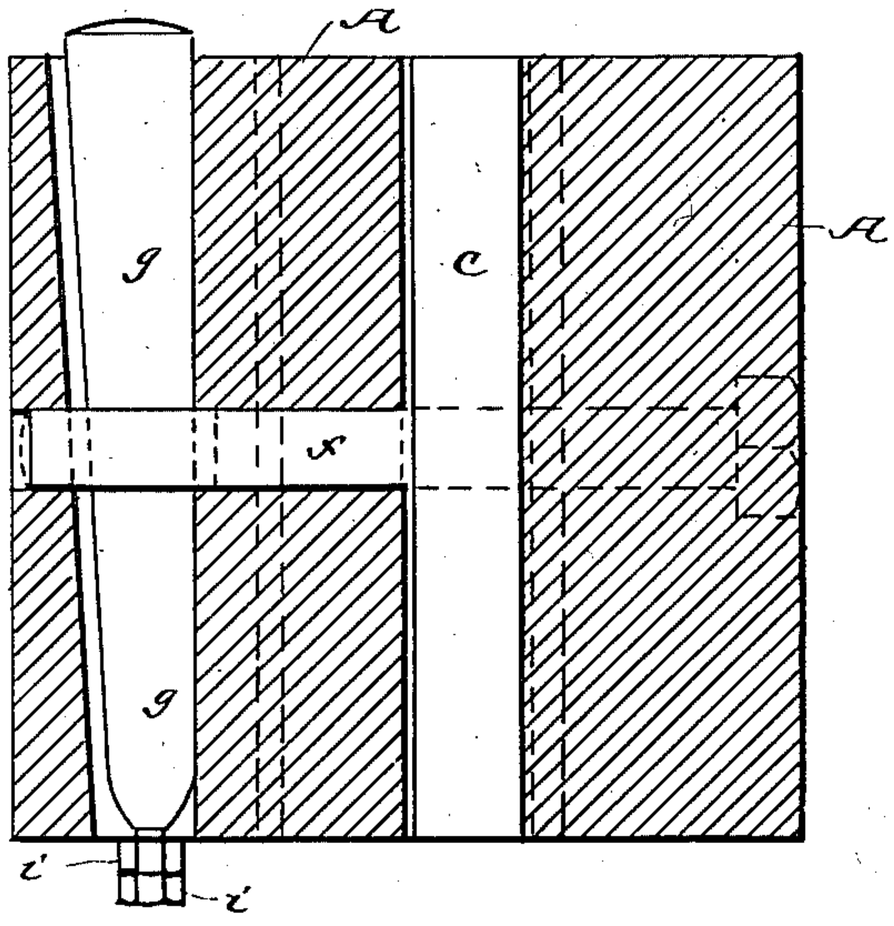


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

ROBERT NEILSON, OF REYNOLDSTON, PENNSYLVANIA.

HAMMER-HEAD.

SPECIFICATION forming part of Letters Patent No. 453,720, dated June 9, 1891.

Application filed August 20, 1890. Serial No. 362,561. (No model.)

To all whom it may concern:

Be it known that I, ROBERT NEILSON, a citizen of the United States, residing at Reynoldston, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Hammer-Heads; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improvement in the manner of attaching dies to hammer-heads; and it consists in certain details of construction and combination of parts, as will be fully set forth hereinafter.

In the accompanying drawings, Figure 1 is a side elevation of an ordinary hammer-head, showing my improved method of attaching the dies to the same. Fig. 2 is a sectional plan view of the same, taken on the line *x x*.

To put my invention into practice with a steam hammer-head A, I divide the same by a longitudinal groove *b*, which terminates in a cylindrical recess *c*. This construction will admit of the dovetailed recess in the face of the head A being expanded or contracted in order to grasp the dovetail *d* on the die *e*. Through the hammer-head A in an opposite direction to the groove *b* is a bolt *f*, provided with a long tapering key *g*, adapted to draw the head A tightly over the die *e*, and rigidly secure the same in position. On one end of the key *g* are fitted two nuts *i*, by means of which the same is prevented from working loose. A shallow groove across the top of the dovetail *d*, in which the bolt *f* rests, prevents the die from working loose sidewise.

The advantage of this construction of a hammer-head is that the position of the die is not changed during the process of tightening the same, as is the case where wedges are used along the side of the dovetail *d*.

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

The means herein described for attaching dies to hammer-heads, comprising the head A, having the opening *c* through the same, the division or separation *b*, from the base of said opening *c* to the base of the hammer A, the bolt *f*, and key *g*, the upward extension of the die *d*, neatly fitted into the hammer-head A, having a shallow groove formed across the same, in which the under portion of the bolt *f* passes and forms a lock to prevent the die *e* from moving endwise, substantially as described.

In testimony that I claim the foregoing I hereunto affix my signature this 15th day of April, A. D. 1889.

ROBERT NEILSON. [L. S.]

In presence of—
C. C. LEE,
M. E. HARRISON.