

J. Kinzer.

Reversible Latch.

N^o 103,054.

Patented May 17, 1870.

fig. 1.

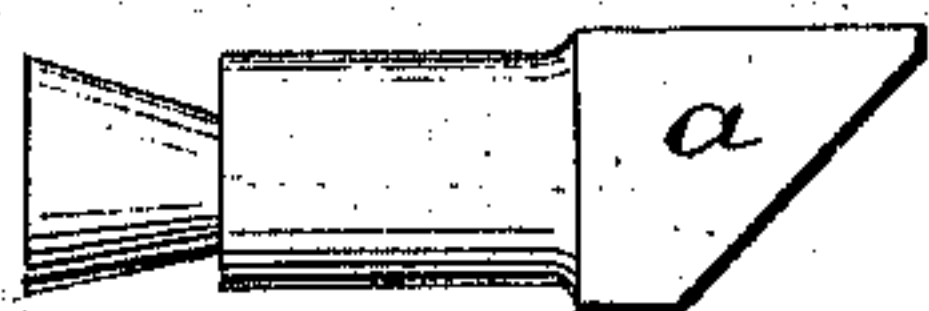


fig. 2.



fig. 3.

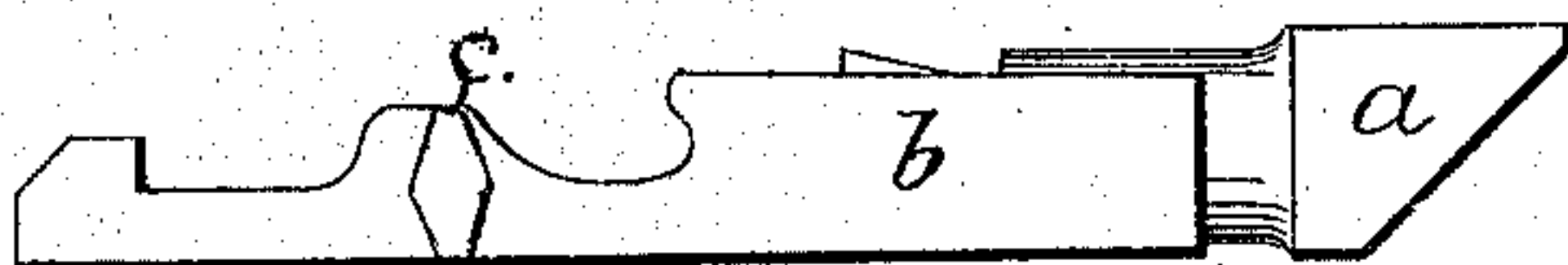


fig. 4.

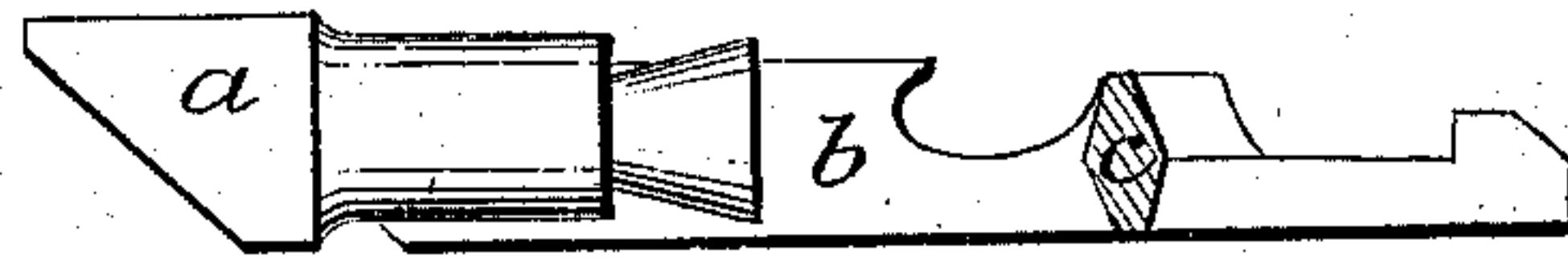


fig. 5.

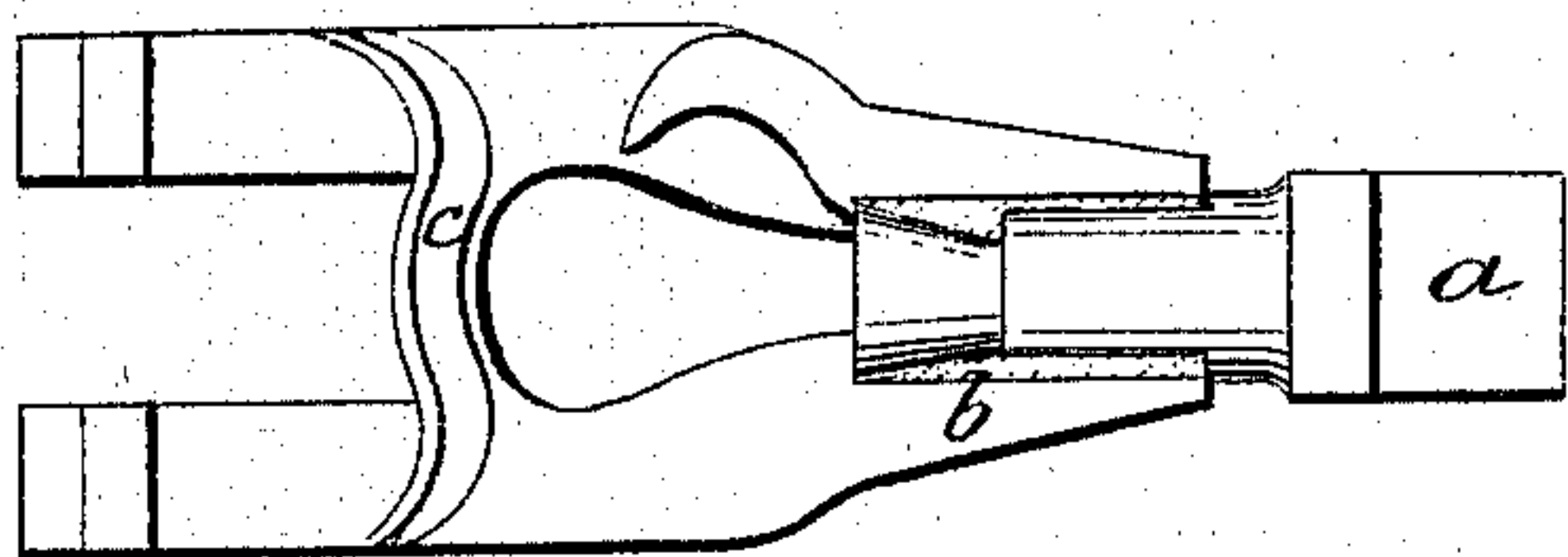


fig. 6.

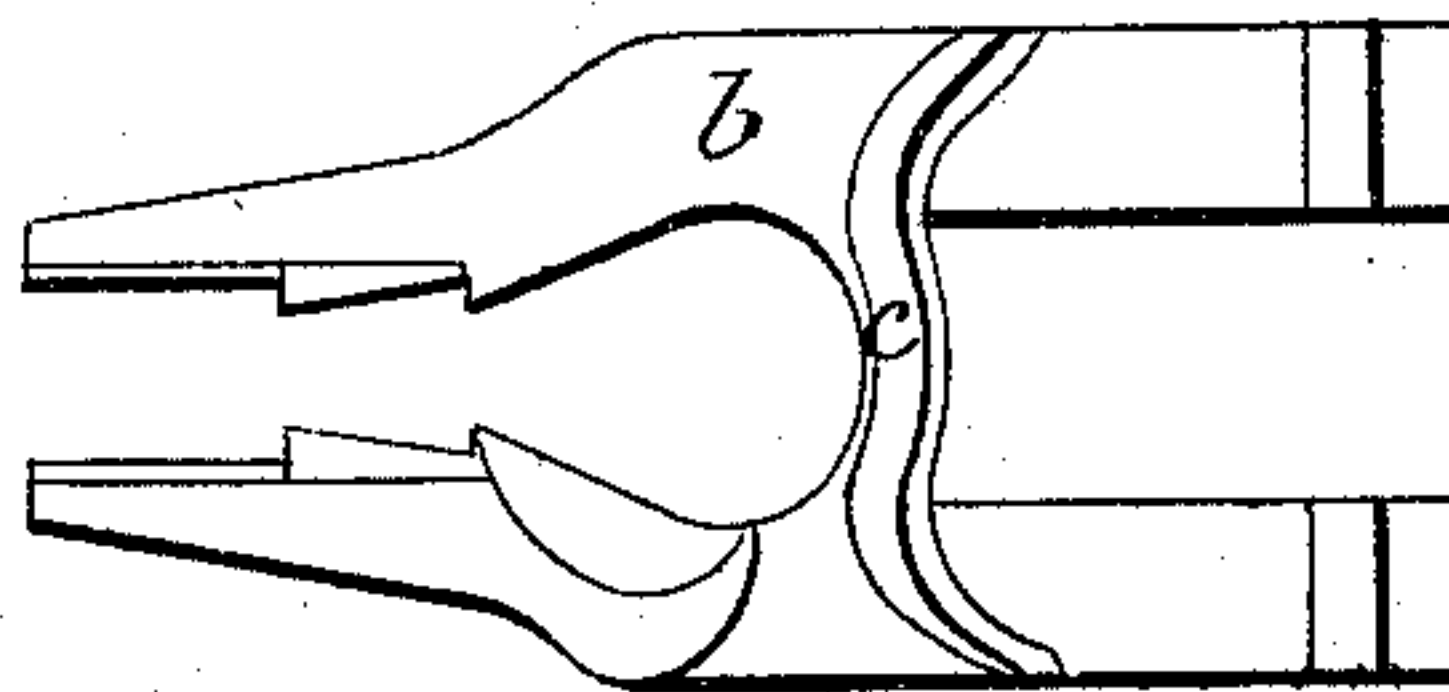
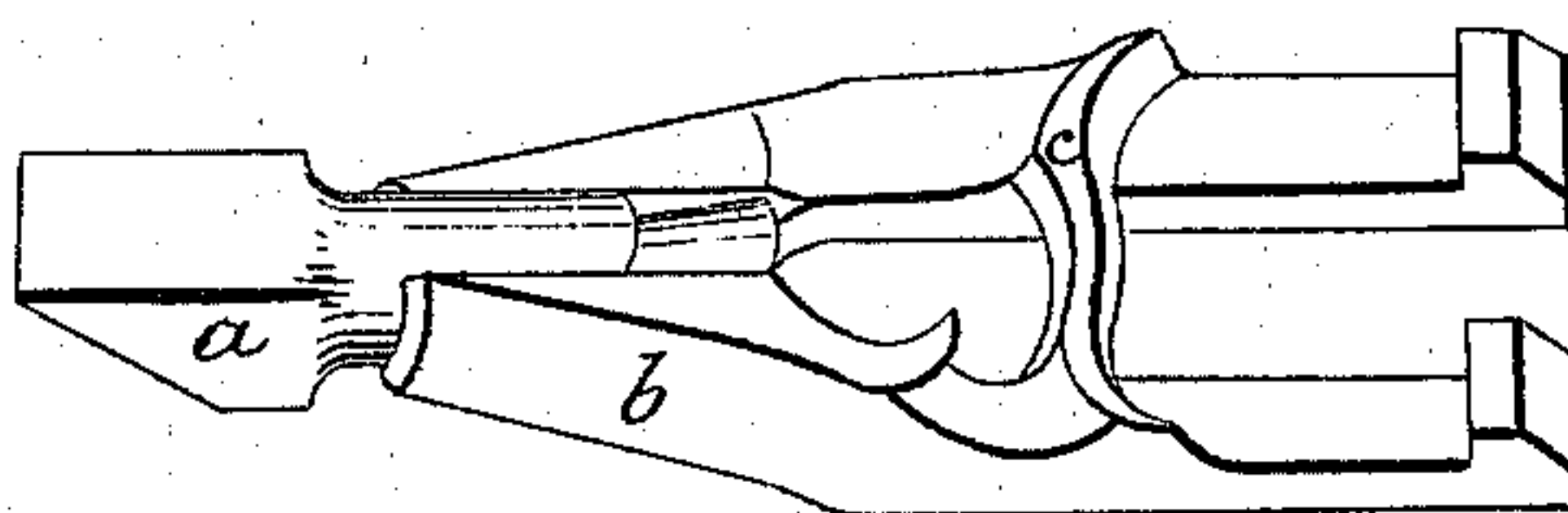


fig. 7.



Witnesses.

Jno. W. Culver.
David Kinzer.

Inventor.

Jacob Kinzer.

United States Patent Office.

JACOB KINZER, OF PITTSBURG, PENNSYLVANIA.

Letters Patent No. 103,054, dated May 17, 1870.

IMPROVEMENT IN REVERSIBLE LATCHES.

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

I, JACOB KINZER, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented an Improved Mode of Casting Latch-Bolts with Swivel Heads, of which the following is a specification.

Nature and Objects of the Invention.

My invention relates to the application of a cast swivel-head, with a cylindrical shank, as a core upon which to cast a body or tail-piece, the object of this part of my invention being to avoid the riveting of burs or use of screws or other fastenings necessitated by heads with wrought-iron shanks applied by any mode other than casting.

Description of the Accompanying Drawings.

Figure 1 is a side elevation of a cast swivel-head.

Figure 2 is a plan of the same.

Figure 3 is a side elevation of a complete latch-bolt.

Figure 4 is a vertical transverse section of the same, showing the parts in place.

Figure 5 is a plan of a complete latch-bolt.

Figure 6 is a plan of a tail-piece.

Figure 7 is a view of a complete latch-bolt.

General Description.

a is a head cast with a round or cylindrical shank, having a shoulder or channel in its circumference.

The mold, being made from a pattern, as shown in fig. 5, the heads *a* are used as cores, being placed in the prints left for them in the mold. The metal is run upon them, forming the tail-piece *b*, the cross-bar *c*, which is shown in the tail-piece *b*, having the requisite strength to retain the head firmly in place, yet permit of its being turned as desired.

I do not claim this mode of casting, it being an old and well-known device.

Claim.

I claim as my invention—

The latch when cast in two pieces, so that the head may revolve within the tail-piece, substantially as described.

JACOB KINZER.

Witnesses:

JNO. W. CULMER,
DANL. KINZER.