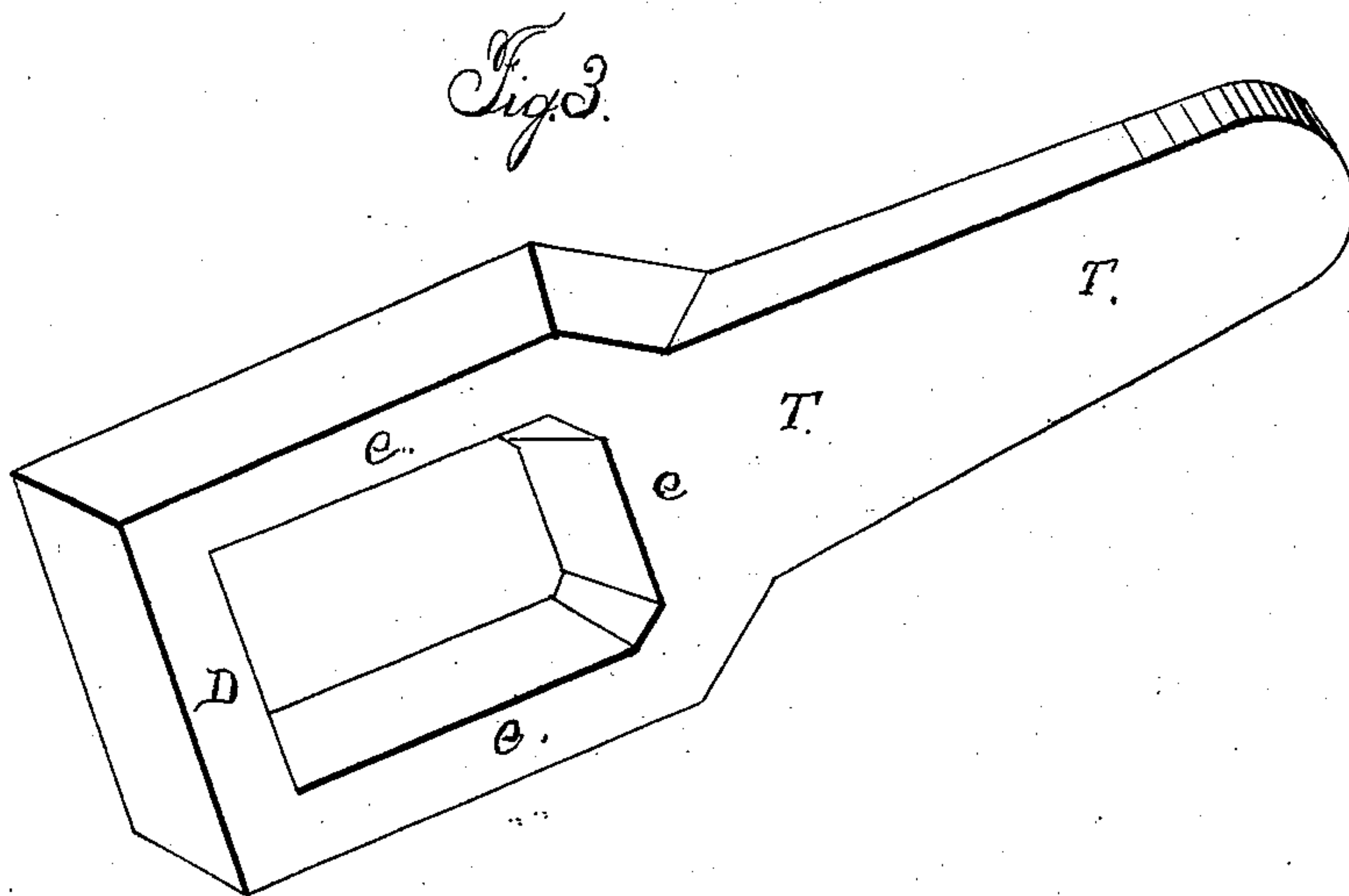
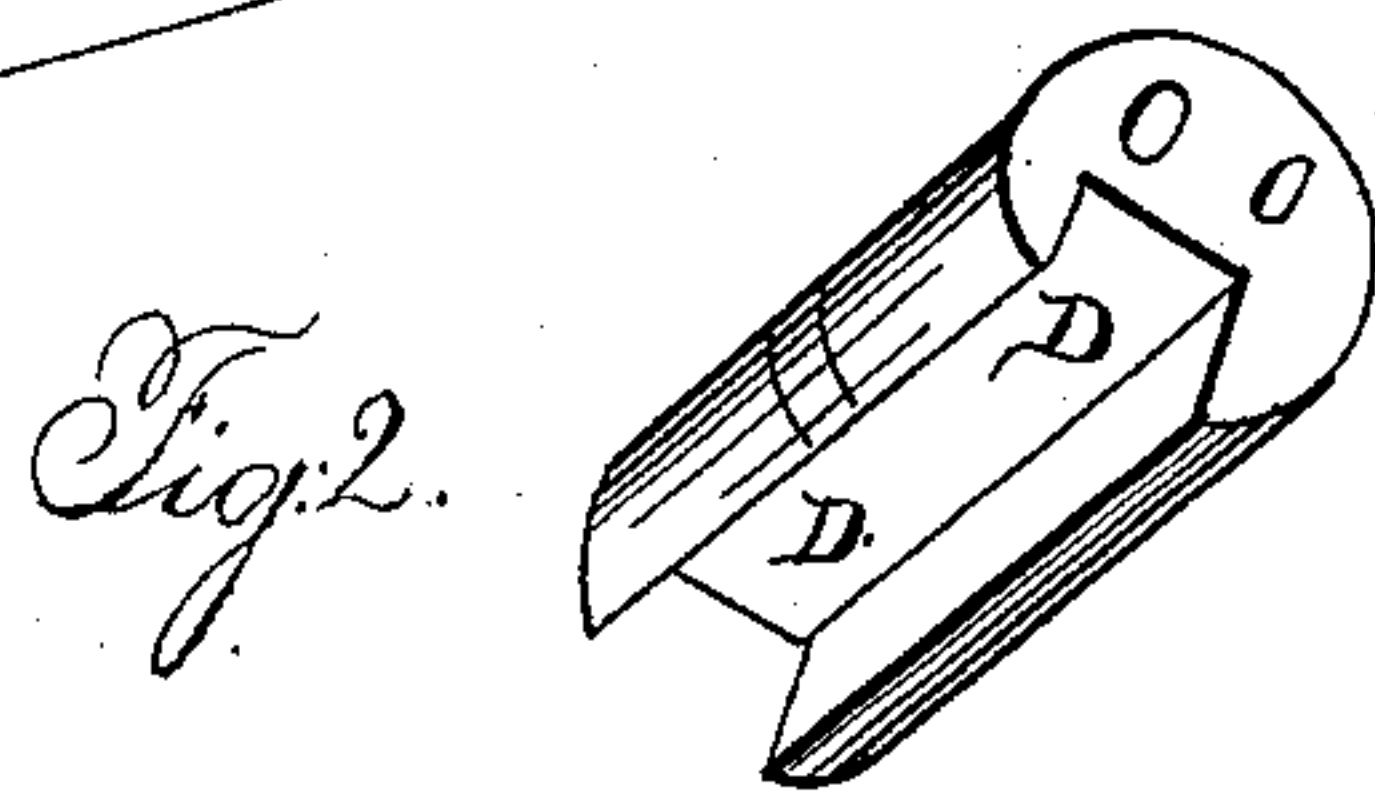
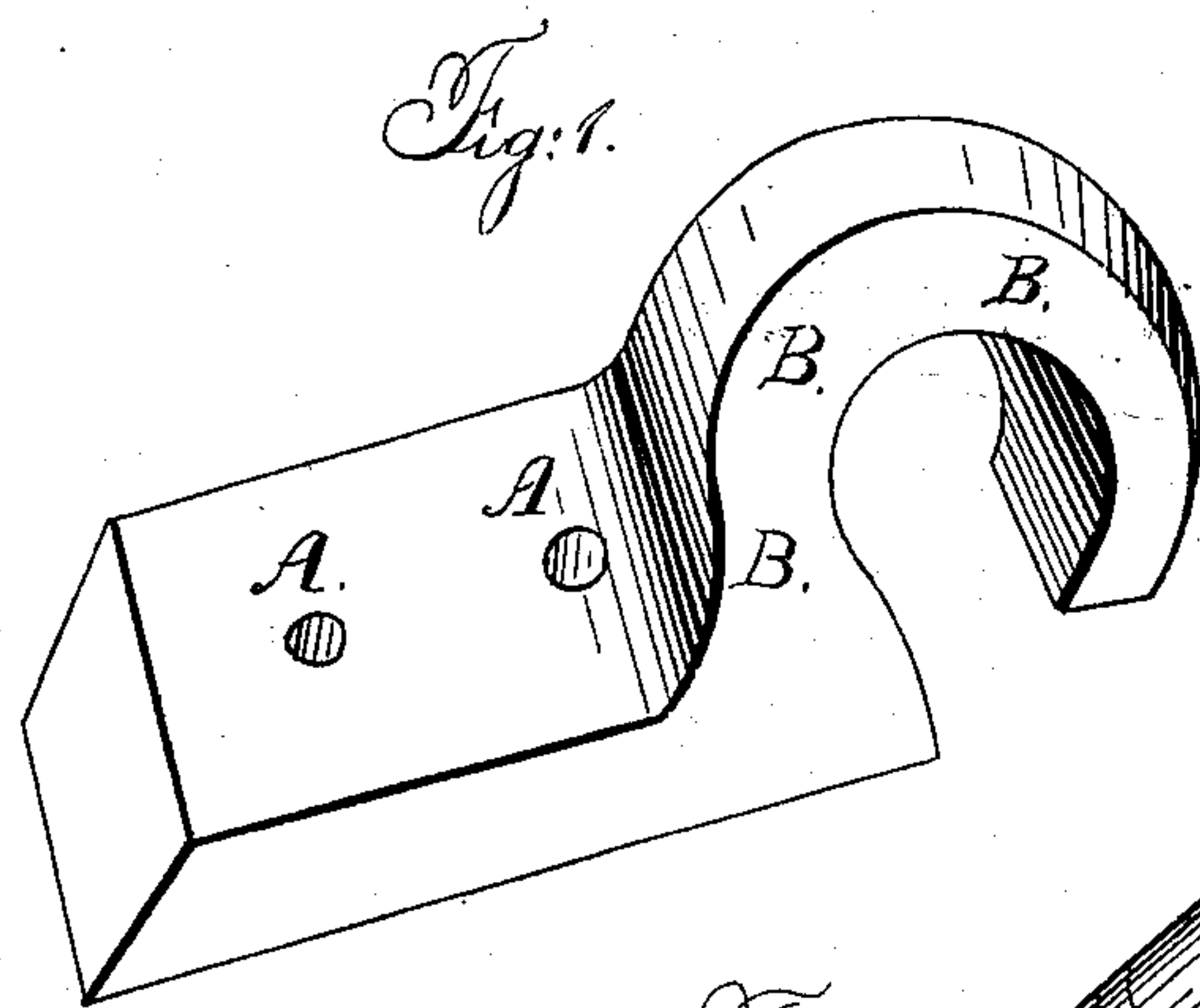


E. B. BENEDICT.

Thill-Coupling.

Patented Nov. 29, 1853.

No. 10,279.



# UNITED STATES PATENT OFFICE.

E. B. BENEDICT, OF CLINTON, NEW YORK.

## COUPLING SHAFTS TO AXLES.

Specification of Letters Patent No. 10,279, dated November 29, 1853.

*To all whom it may concern:*

Be it known that I, EPHRAIM B. BENEDICT, of the town of Clinton, in the county of Dutchess and State of New York, have  
5 invented a new and useful Coupling for Fastening Shafts and Poles to Carriages and other Vehicles; and I do hereby declare that the following is a full, clear, and exact  
10 description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view of the clip; Fig. 2, a perspective view of the tumbler,  
15 and Fig. 3, a perspective view of the draft iron.

A, A, in Fig. 1, represents the shank of the clip; B, B, B, the eye or cylinder of the clip.

20 O, O, in Fig. 2, represent the end of the tumbler, and D, D, the slot of the tumbler.

D, E, E, E, in Fig. 3, represents the eye of the draft iron and T, T, the shank of the draft iron.

25 The shank of the clip (A, A,) is fastened to the axle and the bed, from below, by a grip passing over the bed and axle in the ordinary way. The tumbler (Q,) is placed  
30 inside of the eye of the clip (B, B, B,) and revolves therein as in a socket. The slot of the tumbler (D, D,) is placed downward,

and adjusted to the opening in the eye of the clip. The eye of the clip is then inserted in the eye of the draft iron (D, E, E, E,) with the draft iron in a perpendicular  
35 position so that when the draft iron is drawn up the end D, enters the slot of the tumbler. The draft iron is then turned forward to a horizontal position, the tumbler  
40 being thus made to revolve in the eye of the clip, so that the slot is turned away from the opening in the eye of the clip, thereby securing the draft iron in its place.

The end of the shank (T, T,) is to be extended at pleasure and fastened to the shaft  
45 or pole in the ordinary way.

What I claim as my invention and desire to secure by Letters Patent is—

The coupling consisting of the combination of the clip, tumbler and draft iron, constructed and arranged as above described  
50 for the purpose of a secure and expeditious attachment of the shafts or pole to carriages and other vehicles.

In witness whereof I have hereunto subscribed my name this fifteenth day of March  
55 one thousand eight hundred and fifty three.

EPHRAIM B. BENEDICT.

Witnesses:

GEO. G. REYNOLDS,  
G. DEAN.