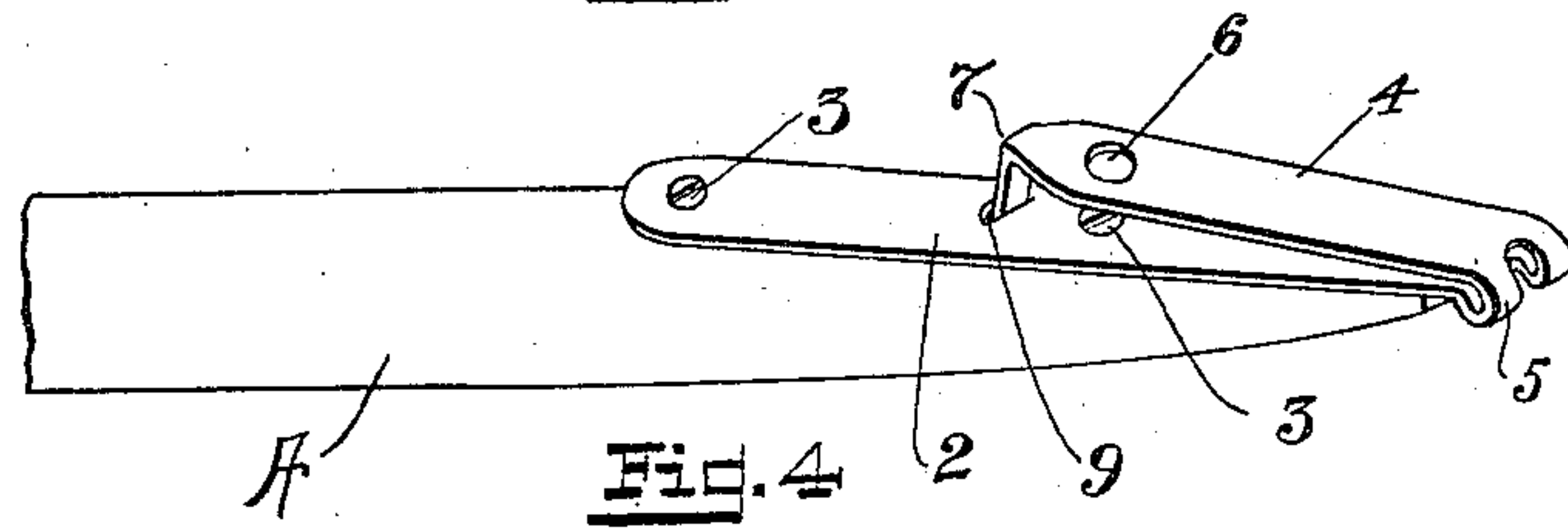
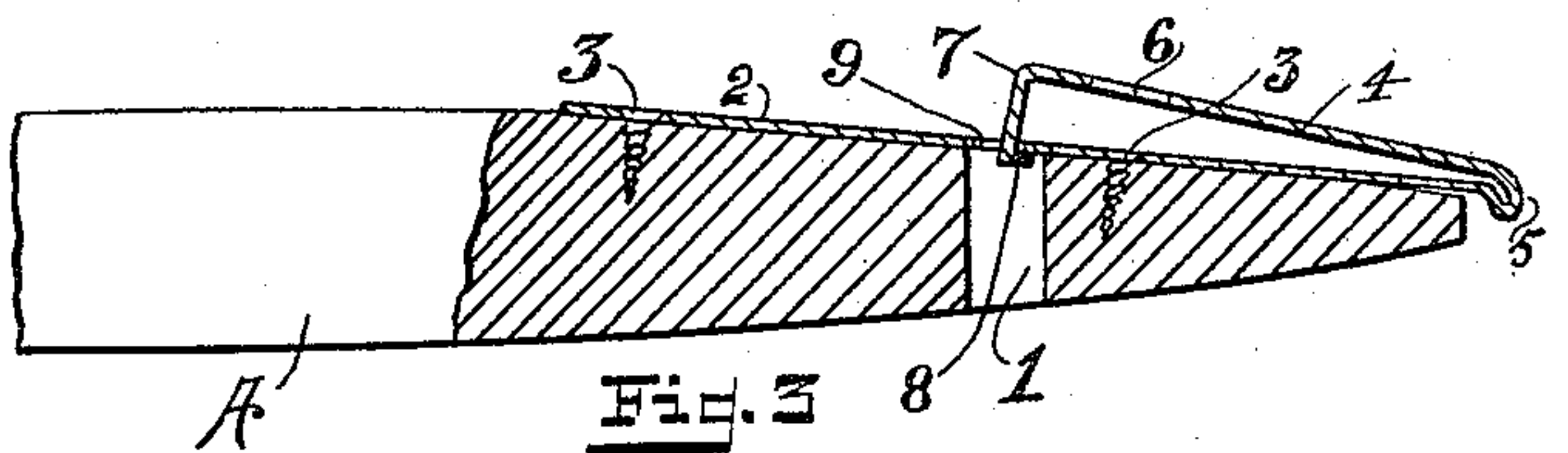
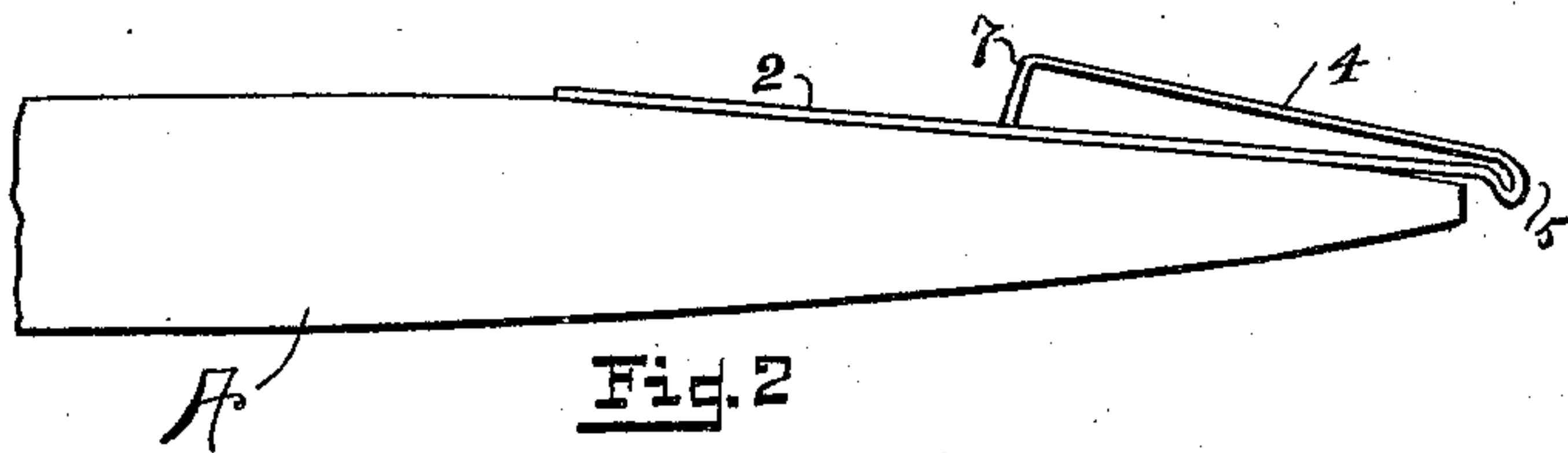
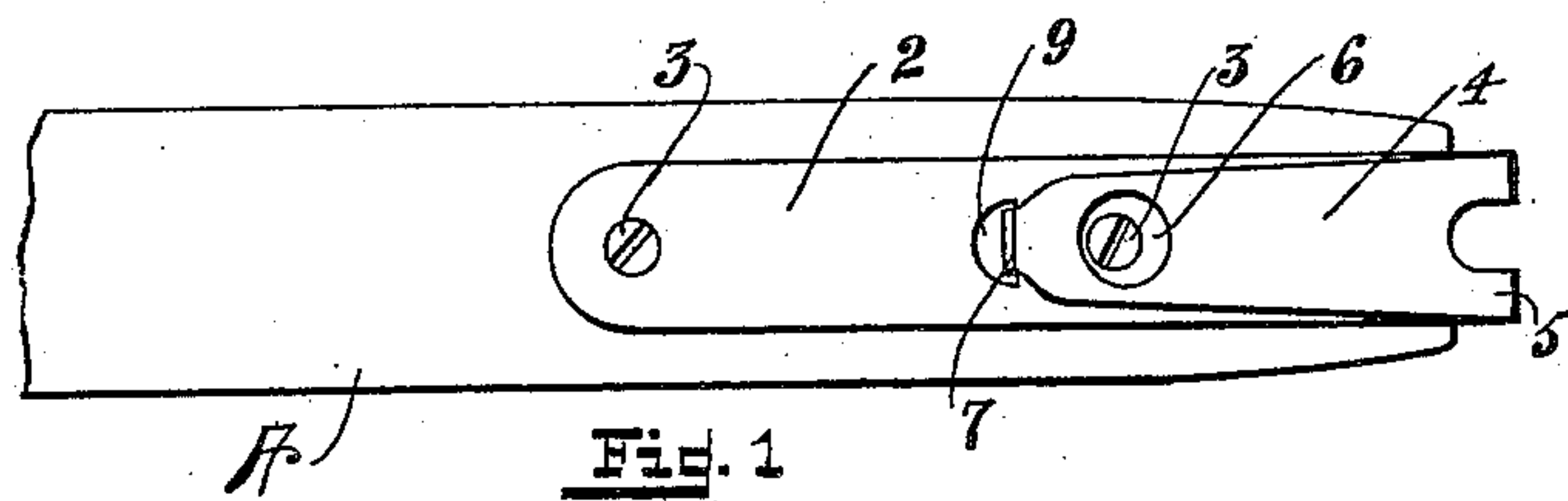


H. A. BIERLEY.
ATTACHMENT FOR WHIFFLETREES.
APPLICATION FILED MAY 14, 1909.

934,789.

Patented Sept. 21, 1909.



Witnesses
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UNITED STATES PATENT OFFICE.

HENRY A. BIERLEY, OF PORTSMOUTH, OHIO.

ATTACHMENT FOR WHIFFLETREES.

934,789.

Specification of Letters Patent. Patented Sept. 21, 1909.

Application filed May 14, 1909. Serial No. 496,016.

To all whom it may concern:

Be it known that I, HENRY A. BIERLEY, a citizen of the United States, residing at Portsmouth, in the county of Scioto and State of Ohio, have invented certain new and useful Improvements in Attachments for Whiffletrees, of which the following is a specification.

My invention relates to an improvement in attachments for whiffletrees, and the object is to retain a tug or trace upon the end of the whiffletree and to permit of the easy removal of the trace from the whiffletree when desired.

The invention consists of certain novel features of construction and combinations of parts which will be hereinafter described and pointed out in the claims.

In the accompanying drawings—Figure 1 is a top plan view; Fig. 2 is a side elevation; Fig. 3 is a longitudinal sectional view, and Fig. 4 is a perspective.

A represents the whiffletree, which is provided with an opening 1 therethrough.

A plate 2 is secured to the whiffletree by means of screws 3, 3. The plate is provided with a member or arm 4 which is formed by the plate being folded a short distance beyond the center thereof, as at 5. The plate is bent downwardly forming a smooth surface to permit of the tugs being slipped readily over the plate and end of whiffletree, and the turn-down portion also affords a certain amount of resiliency to the member or arm 4. An opening 6 is formed in the arm 4 to permit of the plate being secured by a screw to the whiffletree. The upper end of the arm is bent downwardly forming a lug 7, which is provided with an inwardly extending projection 8 which is adapted to engage the under side of the plate 2, the lug 7 extending through an opening in the plate. The projection 8 prevents the lug from coming entirely out of the opening 9, and the lug held in this position affords a bearing surface for the tug and prevents it from slipping or sliding over the end of the whiffletree.

From the foregoing it will be seen that I have provided an invention which is simple of construction and which can be applied to any whiffletree and form an easy means for attaching to and removing a trace from the whiffletree. The hole 9 will register with the hole 1 formed in the whiffletree. The hole 1 is generally formed in whiffletrees to permit of a small strap to pass through, for holding the trace upon the whiffletree. Therefore for applying my invention to the whiffletree an especial construction of whiffletree is not required, but the ordinary construction may be used.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. An attachment for whiffletrees, comprising a plate having an opening therein, one end of the plate bent over and upon the plate forming a spring arm, and a lug on the arm adapted to be received in the opening in the plate.

2. An attachment for whiffletrees comprising a plate having an opening therein, one end of the plate bent over and upon the plate forming a spring arm, a lug on the arm adapted to be received in the opening in the plate, and a projection on the lug adapted to engage the plate for limiting the upward movement of the arm.

3. The combination with a whiffletree having an opening therein, of a plate mounted on the whiffletree having an opening therein registering with the opening in the whiffletree, one end of the plate bent over and upon the plate forming a spring arm, a lug on the arm extending into the openings in the plate and whiffletree, and a projection on the lug adapted to engage the plate to limit the upward movement of the arm.

In testimony whereof I affix my signature, in the presence of two witnesses.

HENRY A. BIERLEY.

Witnesses:

VERNON E. HODGES,
WATTS T. ESTABROOK.