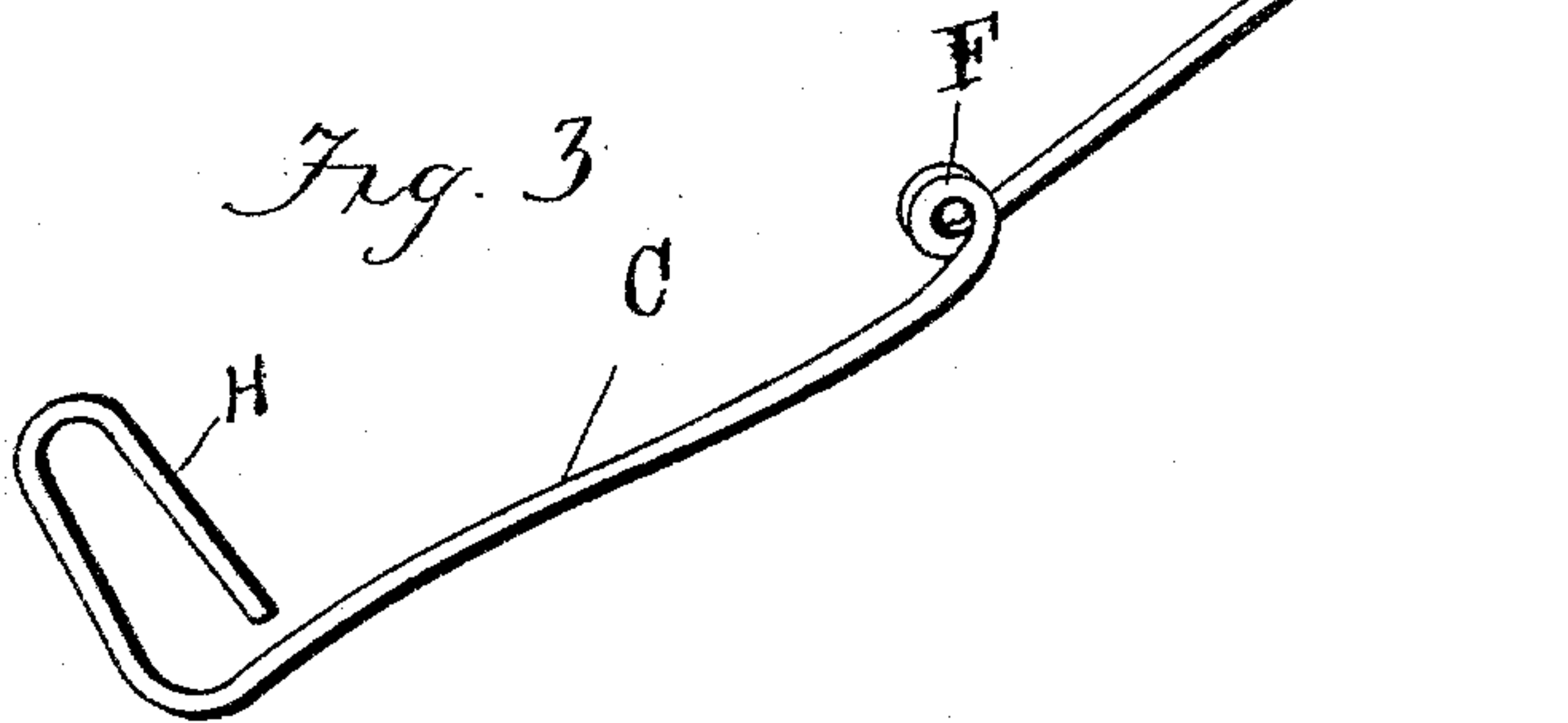
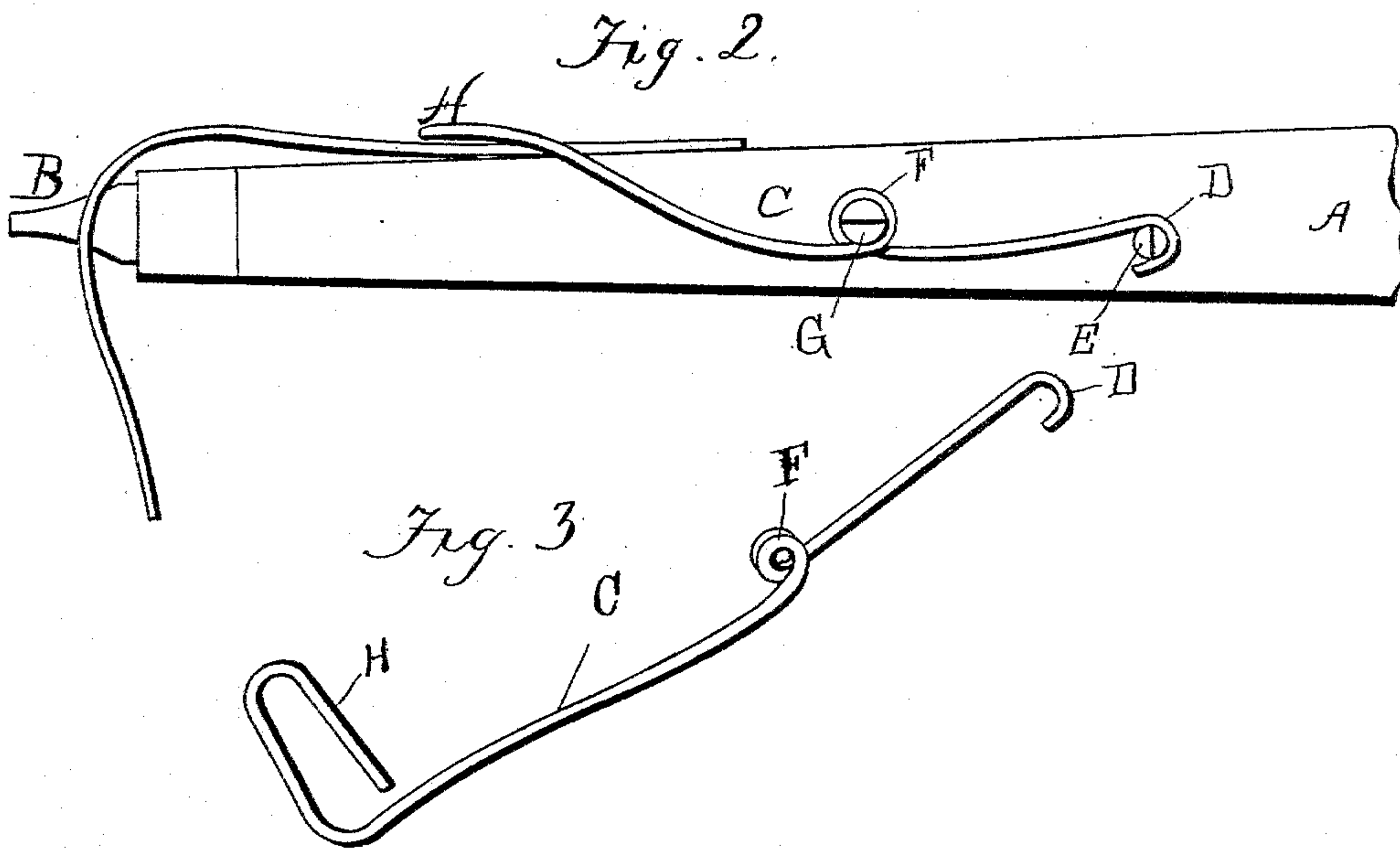
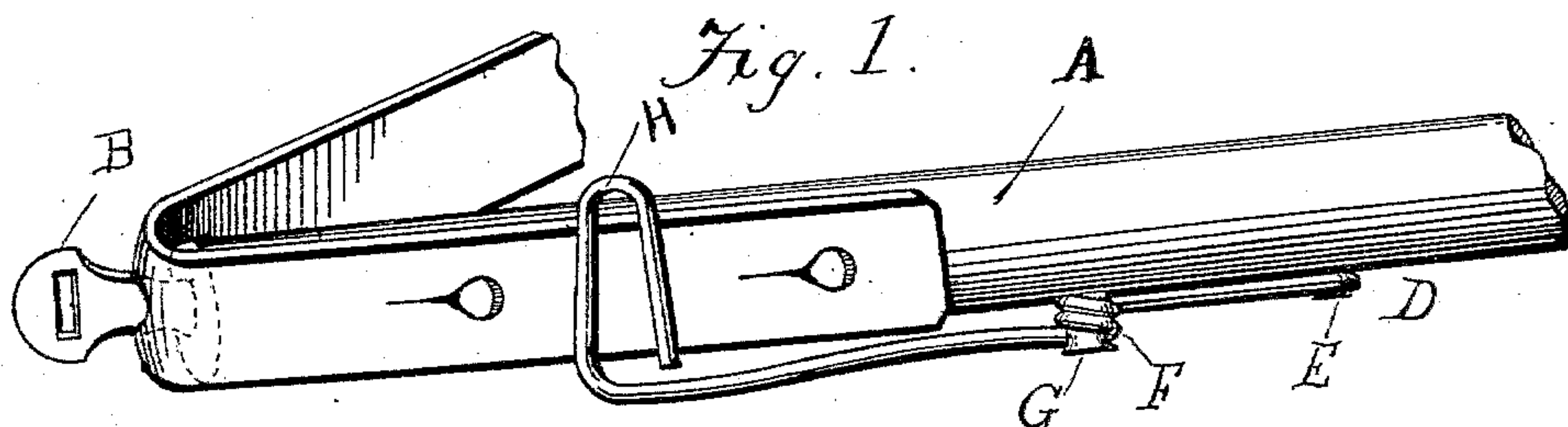


(No Model.)

H. H. STONE.
WHIFFLETREE ATTACHMENT.

No. 597,302.

Patented Jan. 11, 1898.



Witnesses.
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UNITED STATES PATENT OFFICE.

HENRY H. STONE, OF STEWARTSVILLE, NEW JERSEY.

WHIFFLETREE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 597,302, dated January 11, 1898.

Application filed October 2, 1897. Serial No. 653,840. (No model.)

To all whom it may concern:

Be it known that I, HENRY H. STONE, a citizen of the United States, residing at Stewartsville, in the county of Warren and State of New Jersey, have invented certain new and useful Improvements in Whiffletree Hooks or Attachments; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in whiffletree attachments; and it relates more particularly to an improvement in that class of whiffletree attachments which are especially designed to serve as holders or retainers for the free ends of the trace or tug straps.

The invention has for its object the provision of a cheaply-constructed and at the same time efficient and durable spring-arm which may be readily attached to whiffletrees of any size or form of construction and which will serve as a means whereby the free end of the trace may be held folded back against the face of the whiffletree, out of the way, where it will not be likely to catch upon or strike against the whiffletree or to present an unsightly appearance.

To this end and to such others as the invention may be capable of the same consists in the novel construction of the trace-holding attachment and in the novel manner in which it is applied to the whiffletree, where it serves to clamp the free end of the trace, all as more fully hereinafter described, shown in the accompanying drawings, and then specifically defined in the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which drawings—

Figure 1 is a perspective view of one end of a whiffletree with my invention shown as applied thereto. Fig. 2 is a top plan view of the trace-retainer and whiffletree. Fig. 3 is an enlarged detail in perspective of the device as it appears when detached from the whiffletree.

Reference now being had to the details of the drawings by letter, A designates a whif-

fletree, of any well-known or preferred construction, the end of the whiffletree being provided with the usual trace retainer or hook B, which latter may be of any of the well-known forms of construction which are in common use.

C represents my attachment, which is designed to clamp the free end of the trace and to hold the same back against the rear face of the whiffletree, as shown in Fig. 1 of the accompanying drawings.

It will be observed that the device consists simply of a single piece of spring-wire, one end of which is bent into a hook D, which engages a screw E or its equivalent upon the under face of the whiffletree, while at a point intermediate of its ends the wire is bent to form a spiral spring F, which is sleeved upon a screw or stub shaft G, extending downwardly from the under face of the whiffletree. The free end H of the wire is bent to form a clamping-jaw, which jaw extends at right angles to the length of the body portion and is adapted to clamp the free end of the trace against the rear surface of the whiffletree, as shown.

It will be at once evident that my attachment is equally well adapted for use upon whiffletrees of any size or form and will serve equally well as a retainer for traces of any width or thickness. It is cheap and durable and not likely to get out of order or to be accidentally detached.

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

A device for preventing traces unhooking from whiffletree-hooks, consisting of a single piece of wire bent to form an eye through which a screw passes to secure the same to the whiffletree, the inner end of the wire bent to form a hook, the screw over which the said hook engages, the outer end of the wire bent over the edge of the whiffletree, thence upon itself, and adapted to hold the end of the trace against the whiffletree, as shown and for the purpose specified.

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

HENRY H. STONE.

Witnesses:

WILLIAM KLINE, Jr.,
W. A. CARLING.