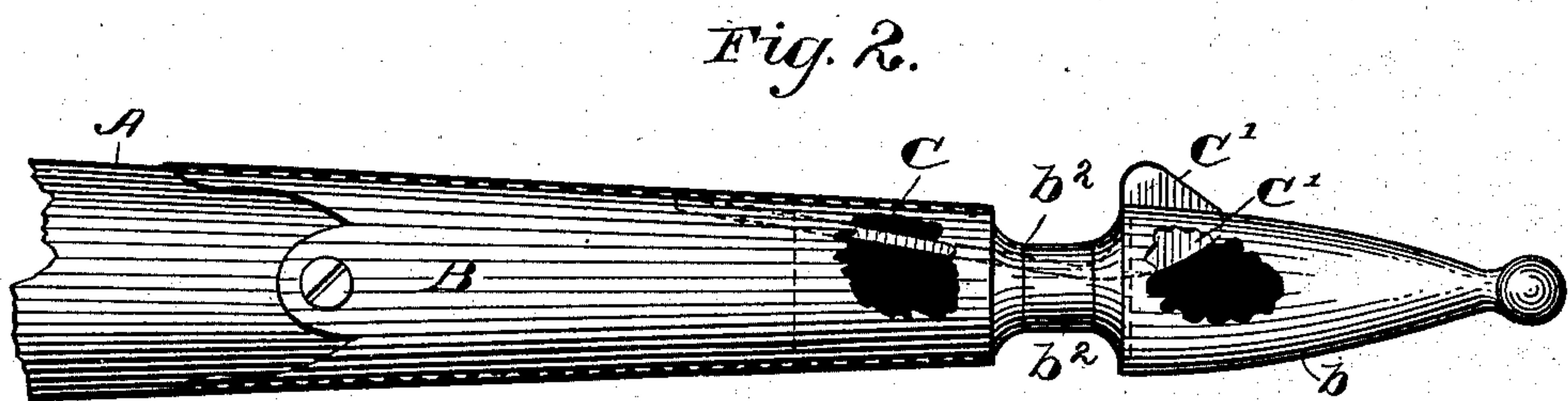
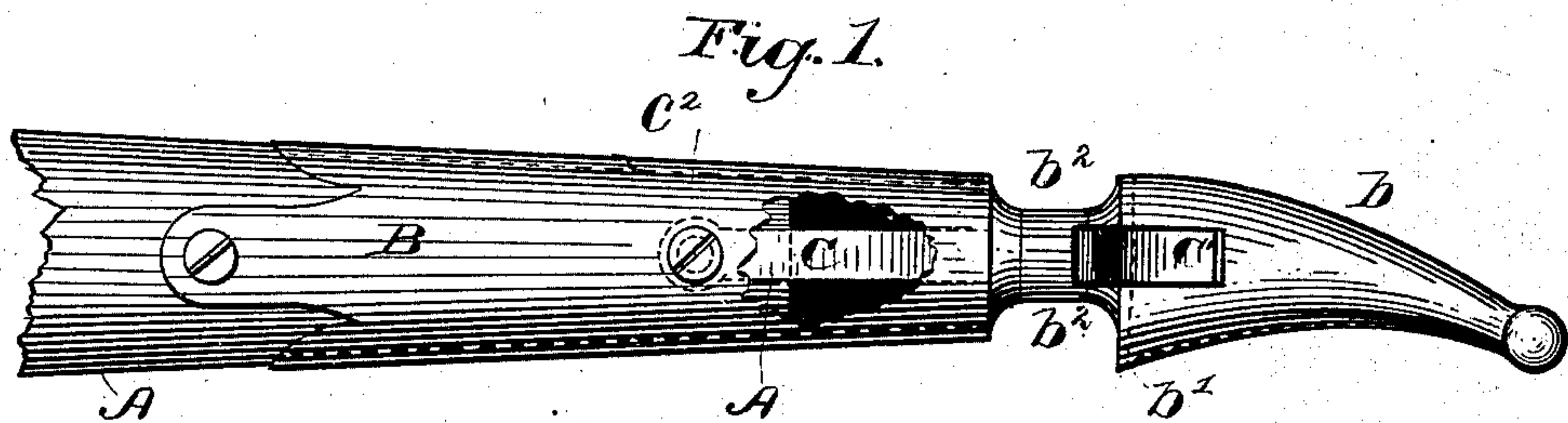


(No Model.)

H. B. DAVIS.
WHIFFLETREE HOOK.

No. 322,163.

Patented July 14, 1885.



WITNESSES

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UNITED STATES PATENT OFFICE.

HIRAM B. DAVIS, OF ST. PARIS, OHIO.,

WHIFFLETREE-HOOK.

SPECIFICATION forming part of Letters Patent No. 322,163, dated July 14, 1885.

Application filed May 21, 1885. (No model.)

To all whom it may concern:

Be it known that I, HIRAM B. DAVIS, a citizen of the United States, residing at St. Paris, in the county of Champaign and State of Ohio, have invented certain new and useful Improvements in Whiffletrees; 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 appertains to make and use the same.

The object of this improvement is an economically-constructed, convenient, and durable device of reliable automatic operation for securing the connection of traces with whiffletrees. These results are attained by the mechanism illustrated in the drawings herewith filed as part hereof, in which the same letters of reference denote the same parts in the different views.

Figure 1 is a plan, with parts broken away, representing a trace-securing device embodying the features of my improvement. Fig. 2 is a side elevation, partly in section.

A is a section of a whiffletree. B is a casting having a barb-shaped end, *b b'*, and an adjacent circular formation, *b²*, all made hollow for the purpose of fitting over the whiffletree, and being provided inside with a spring, C, having an inclined head, *C'*, which projects through a correspondingly-sized opening provided for the purpose in the top of the barb-shaped end *b b'*, from whence the spring C extends through

the round part *b²* and is secured to the casting B by a screw, *C²*, or other suitable means. The casting B is only partially filled by the whiffletree A, and a recess is thus provided for the movement of the spring C, as hereinafter set forth. As the trace is moved toward the round part *b²*, provided as a bearing for the same, it will cause a vertical movement of the spring C by engaging with and passing over its inclined head *C'*, when the spring will return to the position shown, and the spring-head *C'* will secure the connection of the trace and whiffletree until the trace is intentionally removed, which may be done by pressing the head *C'* inward and giving the trace lateral movement over the barb-shaped head *b b'*.

Having explained the features of my improvement, what I claim as new, and desire to secure by Letters Patent, is—

The casting B, having barbed-shaped end *b b'* and adjacent circular formation *b²* for trace-bearing, all made hollow and provided with an inside spring, C, having an inclined head, *C'*, projecting through a slot in the barbed end *b b'*, in combination with a whiffletree, as set forth.

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

HIRAM B. DAVIS.

Witnesses:

A. E. GOLDEN,
G. V. FROMME.