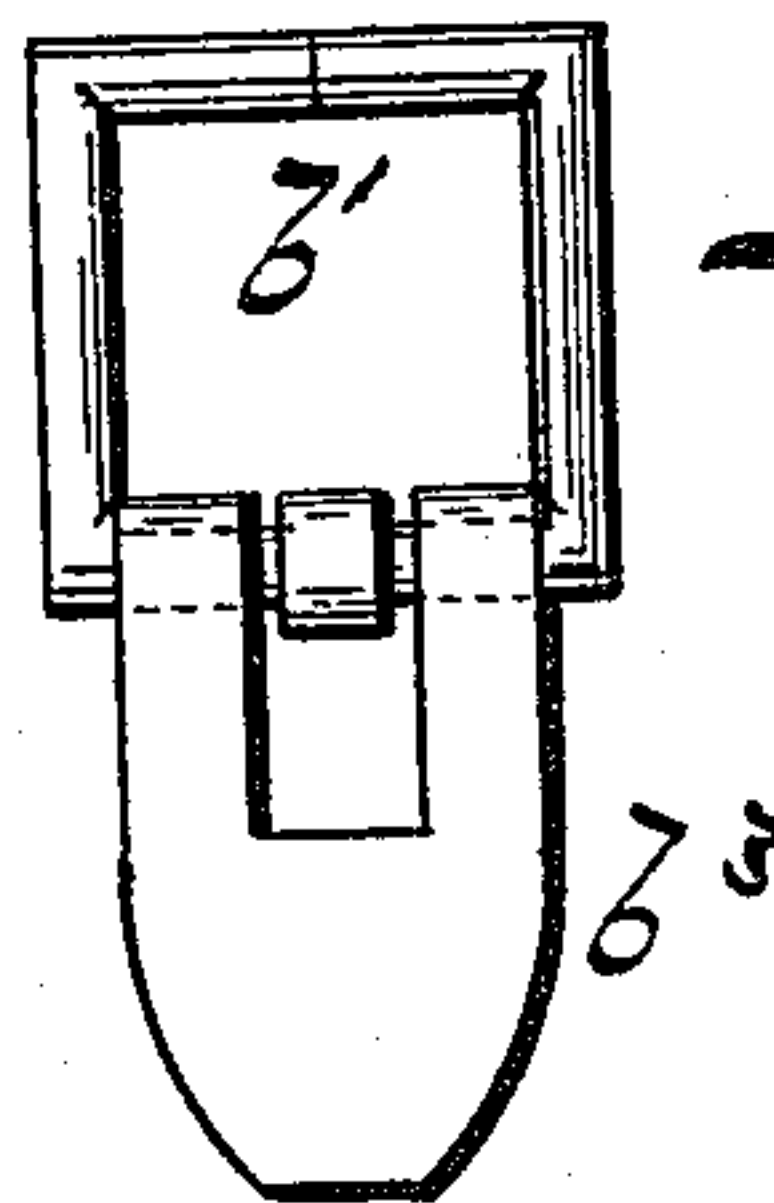
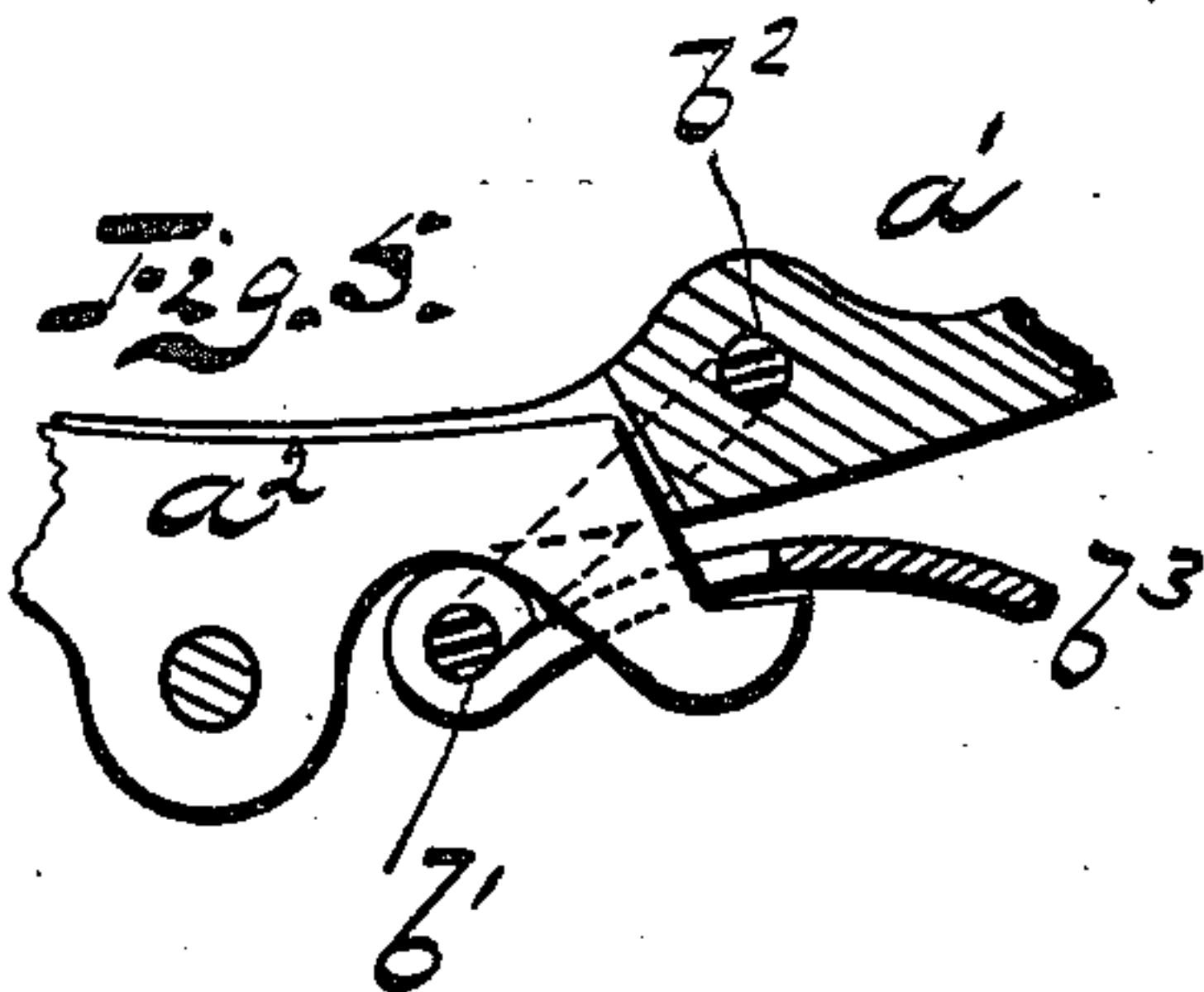
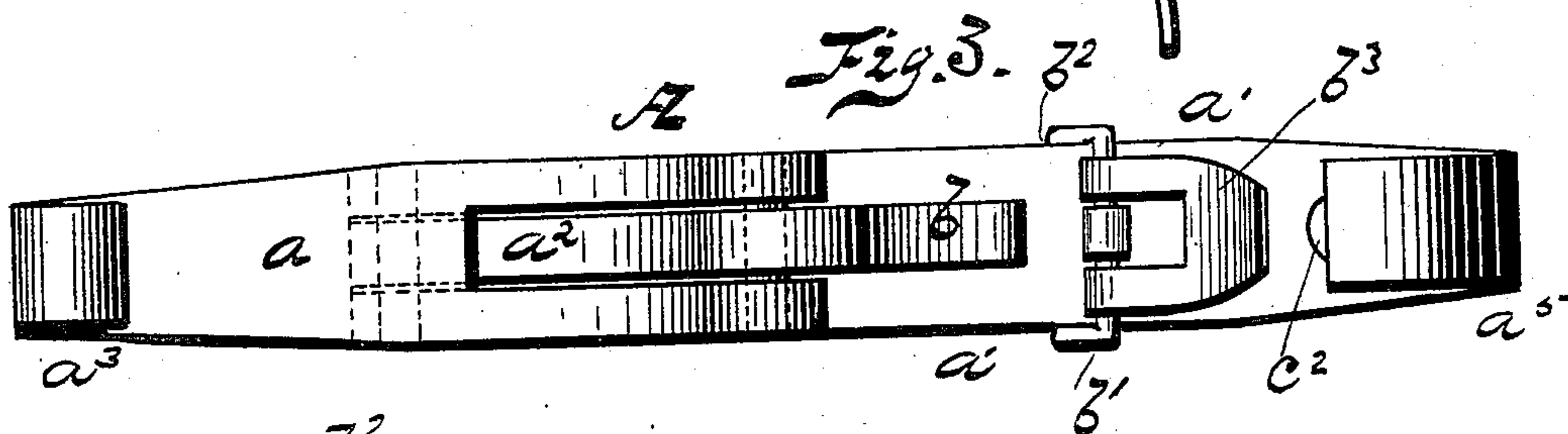
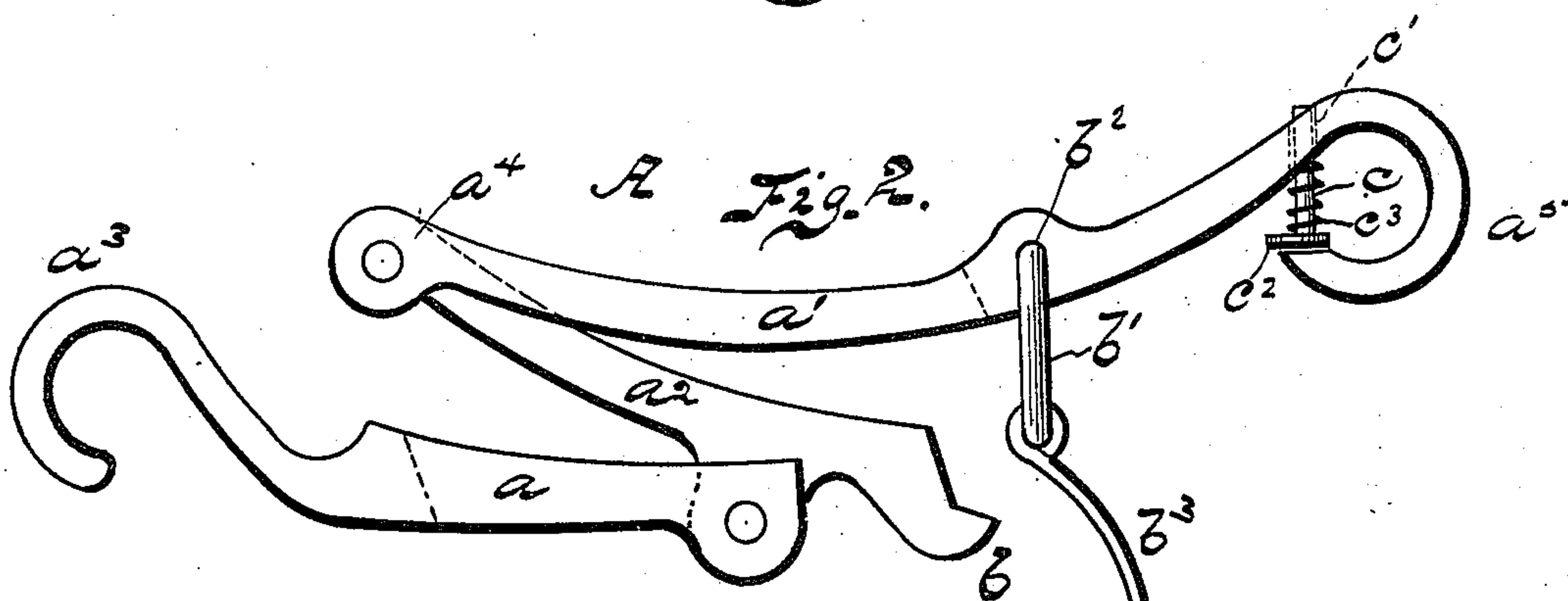
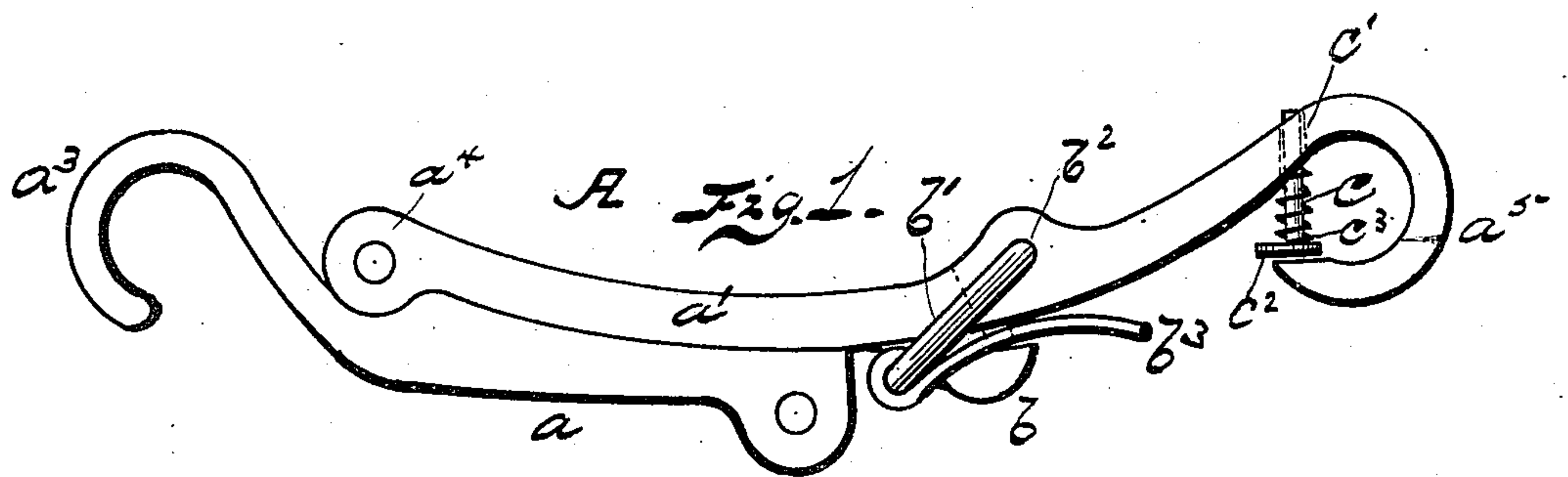


(No Model.)

C. N. HART.
HAME FASTENER.

No. 292,008.

Patented Jan. 15, 1884.



WITNESSES

L. M. Shiebler
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UNITED STATES PATENT OFFICE.

CHARLES N. HART, OF PITTSFORD, VERMONT, ASSIGNOR OF ONE-HALF TO
CHARLES S. SMITH, OF SAME PLACE.

HAME-FASTENER.

SPECIFICATION forming part of Letters Patent No. 292,008, dated January 15, 1884.

Application filed November 27, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHARLES N. HART, a citizen of the United States, residing at Pittsford, in the county of Rutland and State of Vermont, have invented certain new and useful Improvements in Hame-Fasteners, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention has relation to improvements in hame-fasteners; and it consists in the construction and novel arrangement of the same, whereby hames may be quickly and easily fastened to the horse's collar and secured thereto, all as will be hereinafter more fully explained, and particularly pointed out in the claim appended.

20 The annexed drawings, to which reference is made, fully illustrate my invention, in which Figure 1 represents a front view of my device locked in position. Fig. 2 represents a similar view opened. Fig. 3 is a bottom view, and Figs. 4 and 5 are detail views.

25 Referring by letter to the accompanying drawings, A designates the fastener, consisting of three parts, a , a' , and a'' . The portion a is provided with an end hook, a^3 , to engage the end of one of the hames, and is forked at its opposite end, to which is hinged one end of a link, a'' , the opposite end of which (the link) is hinged to the forked end a^4 of the portion a' , which latter is provided with a hook end, a^5 , to engage the end of the opposite hame. The link a'' , that is interposed between the hooked portions a a' , is provided with a projection, b , that engages a bail, b' , which is pivoted to the portion a' , as shown at b^2 , and hinged to this bail is a thumb-piece, b^3 , which serves to hold and operate the bail when locking and unlocking the parts a a' a'' .

40 It will be observed that when the parts are locked to one another the link lies within the

forked end of the portion a' , the bail is over the projection on the end of the part a , and said projection passes through the slot, as shown in Fig. 5, thus firmly securing the parts in a locked position; and in unlocking the fastener the thumb-piece is drawn, thus disengaging the same and the link from the projection, thereby allowing the several parts to swing upon their hinges, and the hames may be readily removed from the collar.

To one of the hooks a^5 is attached a pin, c , the end of which passes through a perforation, c' , in the hook end, and between the head c^2 of said pin and portion a' , and encircling said pin, is a coil-spring, c^3 , which serves to keep the head of the pin against the hook, as shown, thus closing the throat of said hook and preventing the fastener from being detached from the hames, except when desired, and by pressing upon the head of the pin the fastener can be readily removed.

A fastener constructed as above described is simple in operation, easily and quickly applied and detached, and durable, as well as cheap to manufacture.

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

7 In a hame-fastener, the fastener A, consisting of the portion a , having the hook end a^3 , the link a'' , interposed, and hinged at its ends to the parts a' a , the portion a' having the hooked end a^5 , provided with the spring-pin c , and pivoted bail, with its thumb-piece adapted to engage the projection b on the end of the link, as shown and described.

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

CHARLES N. HART.

Witnesses:

C. S. COLBURN,
WILLIAM R. WILLARD.