

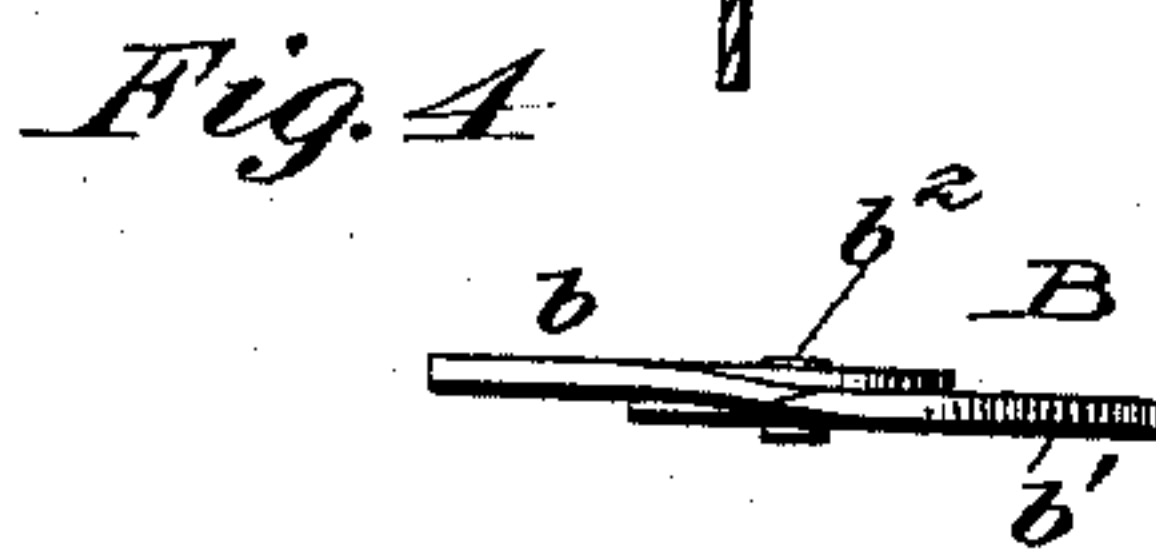
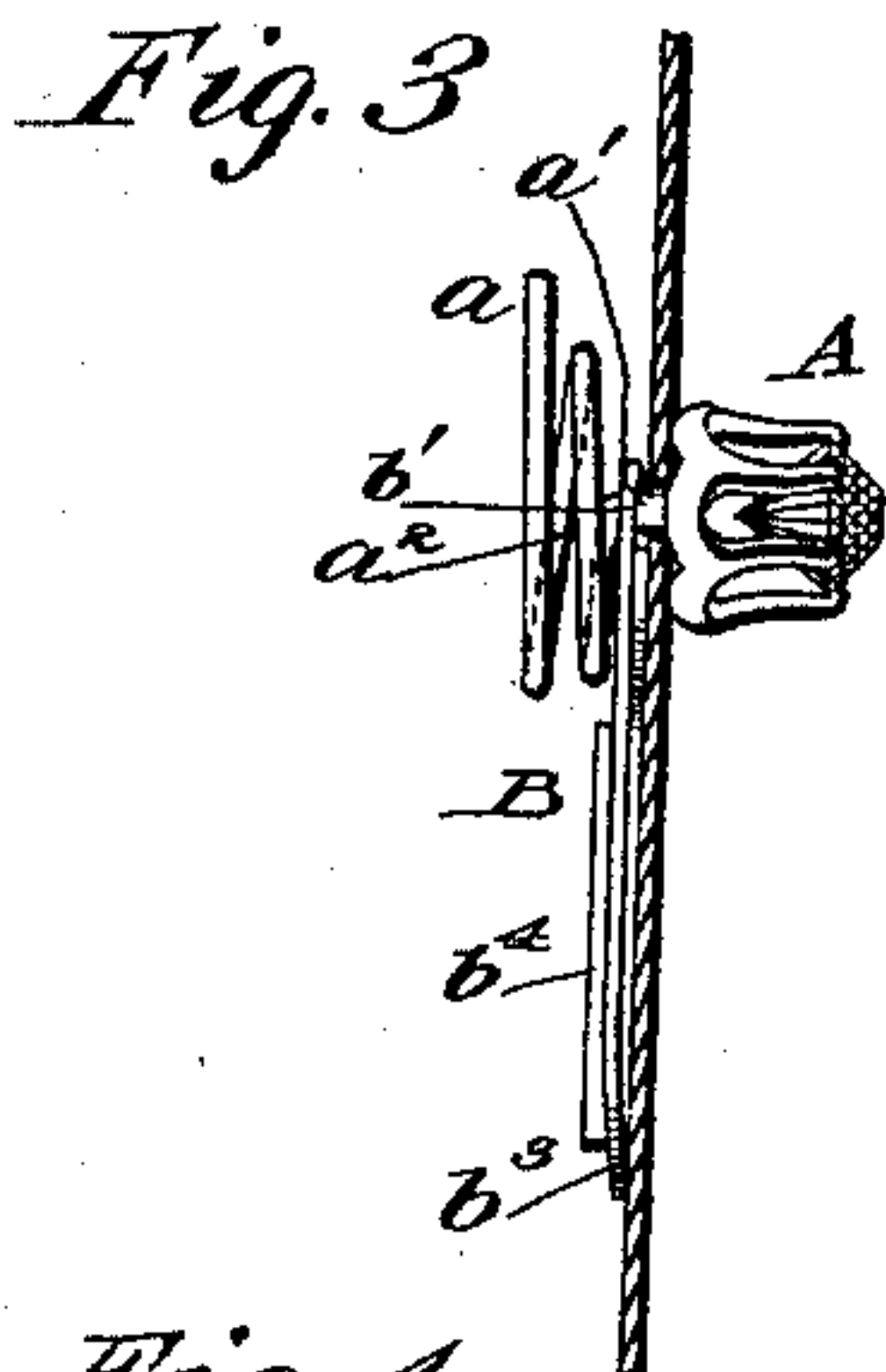
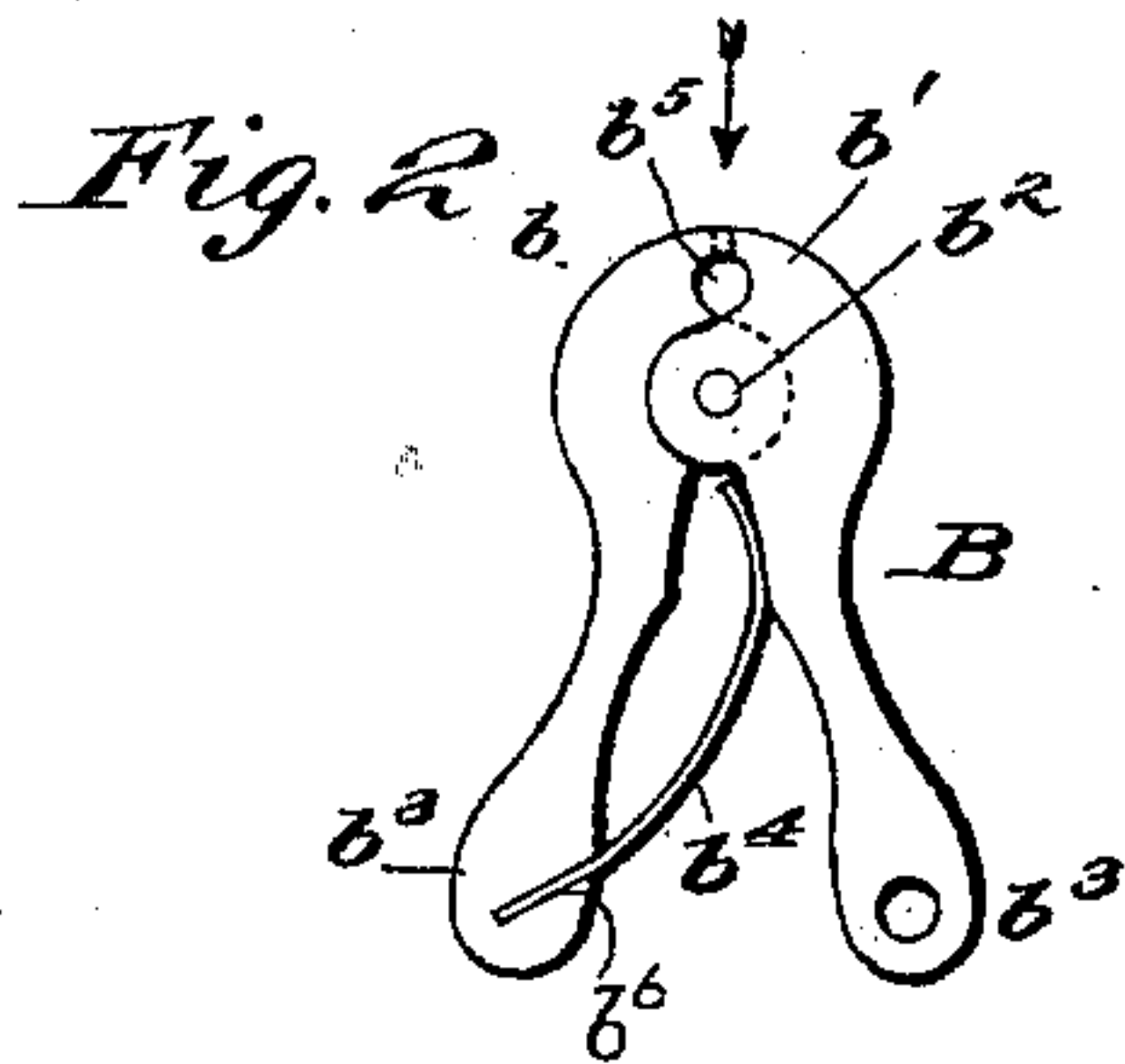
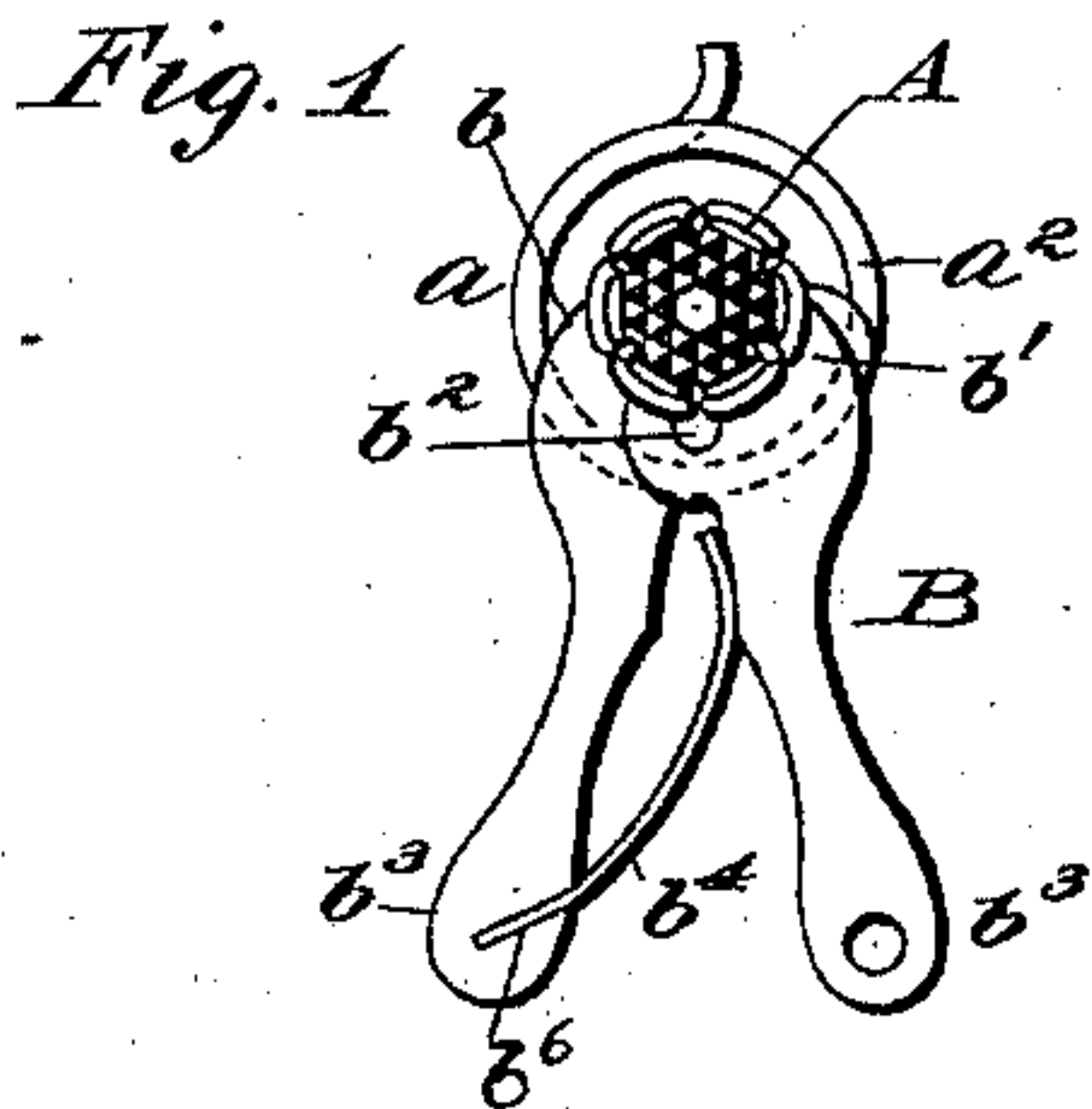
No. 612,793.

Patented Oct. 18, 1898.

J. WEISS.
STUD FASTENER.

(Application filed Nov. 10, 1897.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

JULIUS WEISS, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO ISIDOR WITMARK, OF SAME PLACE.

STUD-FASTENER.

SPECIFICATION forming part of Letters Patent No. 612,793, dated October 18, 1898.

Application filed November 10, 1897. Serial No. 658,068. (No model.)

To all whom it may concern:

Be it known that I, JULIUS WEISS, a citizen of the United States, residing at New York city, in the county and State of New York, have invented a certain new and useful Improvement in Stud-Fasteners, of which the following is a specification.

This invention relates generally to devices for securing studs in position in the stud-opening of a garment. It is designed for use chiefly in connection with that style of studs known as "spirals" and having, as the name implies, a wire coiled into spiral form, one end of said wire being attached to the stud-head. Stud of this type, it has been found, are open to the objection that the spiral wire is unreliable as a securing device, since under the conditions of use this often works loose from the stud-hole, permitting the stud to fall out.

By my invention a fastener is provided which is capable of ready application to any studs of the general type above referred to and which operates to securely hold the stud in the stud-hole of the garment until such fastener has been removed. Such fastener consists, in brief, of a two-part clamp the members of which are pivoted upon each other and actuated by a spring to bring the claws into engagement with each other. Such claws are provided with a recess of such size as to receive the spiral wire of the stud. The extremities of the claws adjacent to the recess are beveled, so as to lap over each other. After the stud has been screwed into the stud-hole the fastener is clamped around the wire between the spiral and the stud-head, (on the inside of the material through which the wire has been inserted,) whereby the spiral portion of the wire is securely held and precluded from entering the stud-hole to free the stud until the fastener has been removed.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is an enlarged plan view of a stud with my improved fastener in position thereon. Fig. 2 is an enlarged view of the fastener detached. Fig. 3 is an enlarged view, partly in section and illustrating the stud and fas-

tener in side view, the former having been inserted in the stud-hole of a garment; and Fig. 4 is an end view, on a larger scale than the other views, looking in the direction of the arrow in Fig. 2.

Referring to the drawings, in which similar letters of reference denote corresponding parts, A represents the stud-head, having the wire *a* secured thereto. This wire, as usual, has the approximately straight portion *a'* between the spiral *a²* and the head A.

B designates the fastener, consisting, as here shown, of the claws *b b'*, pivoted together by means of the pin *b²*, and provided with the extensions *b³ b³*. Between the latter and secured, preferably, to one or the other thereof is the spring *b⁴*. This spring is secured at one end within a slit *b⁶* in one of the claw extensions, its other end bearing against the other extension and operating to press the extensions apart.

As best shown in Fig. 4, the extreme points of the claws *b b'* are beveled, so as to overlap each other when in closed position. Within such points is the recess *b⁵*, of approximately the same diameter as that of the stud-wire.

In operation the spiral portion of the wire is inserted into the stud-hole of the garment in the usual manner. The fastener is then attached to the wire inside the garment by opening the claws by pressure upon the extensions and then permitting them to close around the approximately straight portion of the stud-wire between the spiral and the stud-head. Under this condition it is impossible to remove the stud until the fastener has been detached. The overlapping of the points of the claws not only conduces to this end, but also aids the spring in retaining such claws in position about the stud-wire. The fastener, moreover, holds the stud-head straight, preventing it from sagging down outside the stud-hole.

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

The combination with a stud having a wire, of a fastener adapted to be attached to said wire and comprising two claws pivoted to-

gether and having beveled overlapping points
with a recess within said points to receive
said wire, said claws being provided with in-
tegral extensions b^3 b^3 and a leaf-spring b^4
5 having one end permanently secured within
a slit in one of said extensions and with its
other end in engagement with the other of
said extensions whereby the overlapping

points will be engaged with the wire, substan-
tially as set forth. 10

This specification signed and witnessed this
22d day of October, 1897.

JULIUS WEISS.

Witnesses:

EUGENE CONRAN,
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