

(No Model.)

C. B. UNDERHILL.
SPRING ATTACHMENT FOR BUCKLES.

No. 449,015.

Patented Mar. 24, 1891.

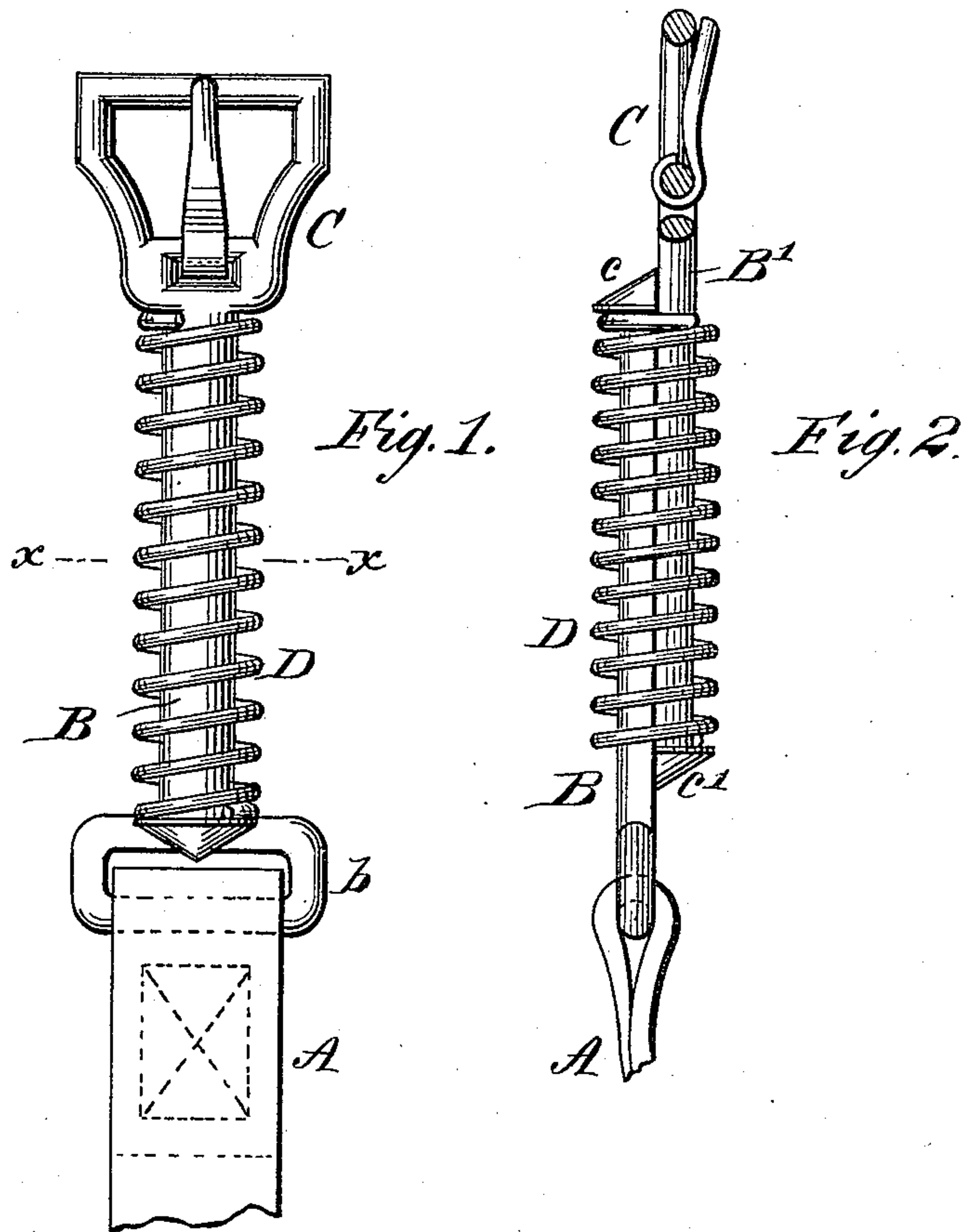
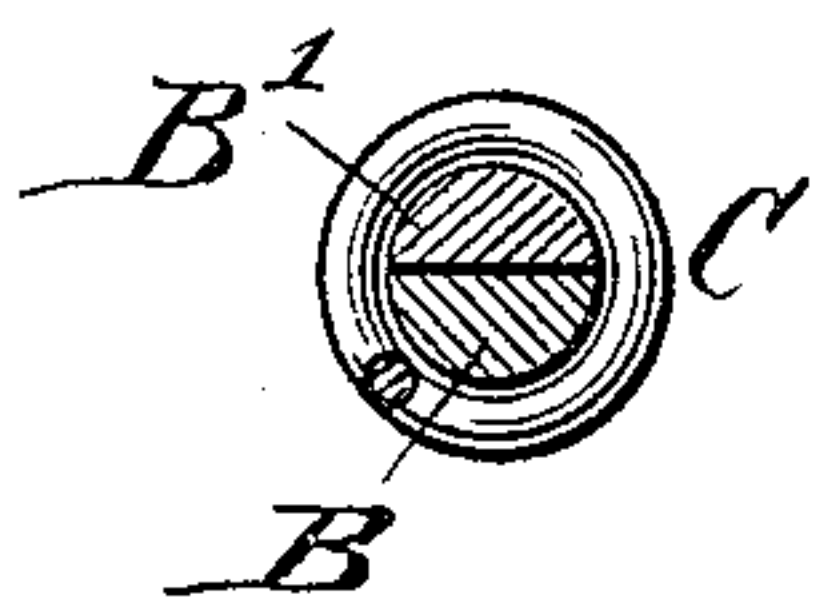


Fig. 3.



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SPRING ATTACHMENT FOR BUCKLES.

SPECIFICATION forming part of Letters Patent No. 449,015, dated March 24, 1891.

Application filed November 10, 1888. Renewed February 24, 1891. Serial No. 382,340. (No model.)

To all whom it may concern:

Be it known that I, CHARLES B. UNDERHILL, of Lancaster, in the county of Erie and State of New York, have invented a new and useful Improvement in Spring Attachments for Buckles, of which the following is a full, clear, and exact description.

This invention consists in a novel spring attachment for buckles applicable to trunk-
10 straps, horse-girths, and other straps having attached buckles, substantially as hereinafter described, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification,
15 in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 represents a view of a trunk-strap in part as seen from its front or flat side, with buckle and my improved spring attachment
20 applied. Fig. 2 is an edge view in elevation of the same, and Fig. 3 a transverse section thereof upon the line $x x$ in Fig. 1.

Referring to Figs. 1, 2, and 3 of the drawings, A indicates a trunk or other strap in part attached by a metal loop b to a longitudinal-sliding extension or split shank-piece B, which may be made of half-round metal or other suitable material, and which when in use is free to slide longitudinally
30 against or in proximity to a similar extension or split shank-piece B', secured at its one end to the buckle C. These extension-pieces B B', which are fitted to slide longitudinally one over or against and in reverse directions relatively to each other, are inclosed by a round
35 spiral spring D and have their longitudinal movements in reverse directions simultaneously controlled and made subject to tension by said spring, which is fitted to bear at its
40 opposite ends upon the opposite ends, re-

spectively, of the extension-pieces B B', as by lugs $c c'$ on the latter or otherwise. This forms a strong durable spring-buckle attachment to the strap, which will admit of the strap being more easily and closely buckled
45 when applied to a trunk, for instance, and will serve to maintain strain on the strap, besides being otherwise advantageous.

By the application of my spring-buckle in connection with a harness or horse-girth strap
50 the girth will be made more elastic than it ordinarily is, and it will to a large extent do away with the stretching of the girth, which is now so common, no matter how tightly it may have been buckled.

From the foregoing description the advantages of my invention will readily appear. The same is exceedingly simple in construction, cheap as to cost, and very effective in its
60 desired operation.

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

As an improved article of manufacture, the herein-described spring attachment for
65 buckles, consisting of a buckle having a shank semicircular in cross-section and an outwardly-projecting lug c' at its lower end, a loop having a shank semicircular in cross-section and an outwardly-projecting lug c at its upper end, said shanks lapping each other with their flat faces, and a coiled spring disposed about the said shanks between the lugs $c c'$, all arranged substantially as and for the purpose described.

CHARLES B. UNDERHILL.

Witnesses:

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