

No. 886,215.

PATENTED APR. 28, 1908.

P. A. HUDSON.

BELT FASTENER.

APPLICATION FILED JULY 18, 1907.

Fig. 1.

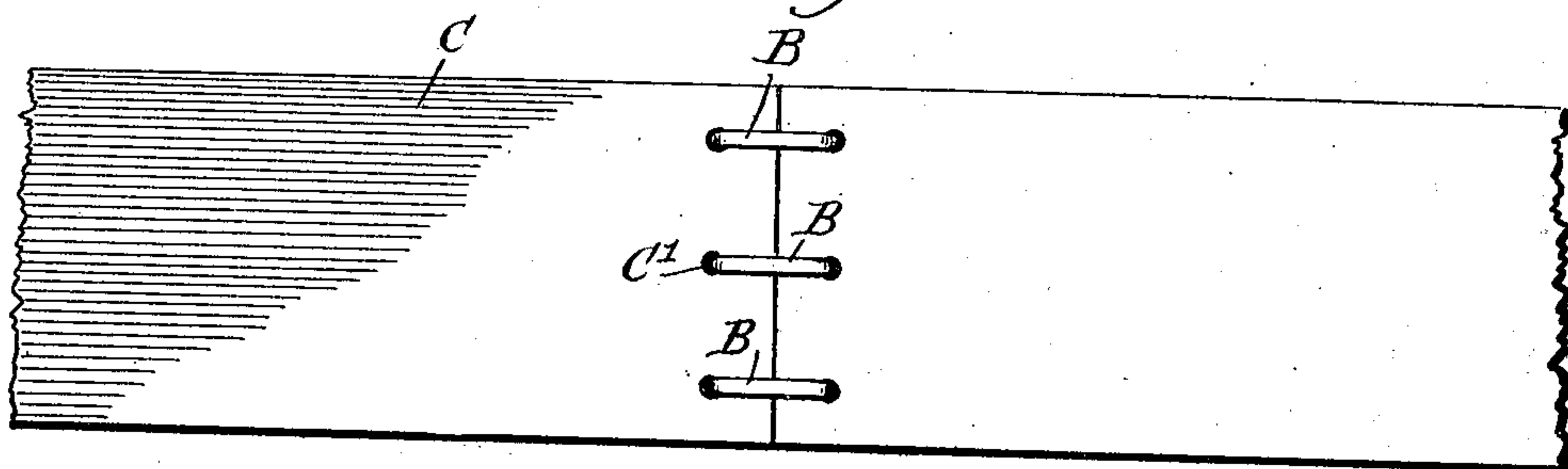


Fig. 2.

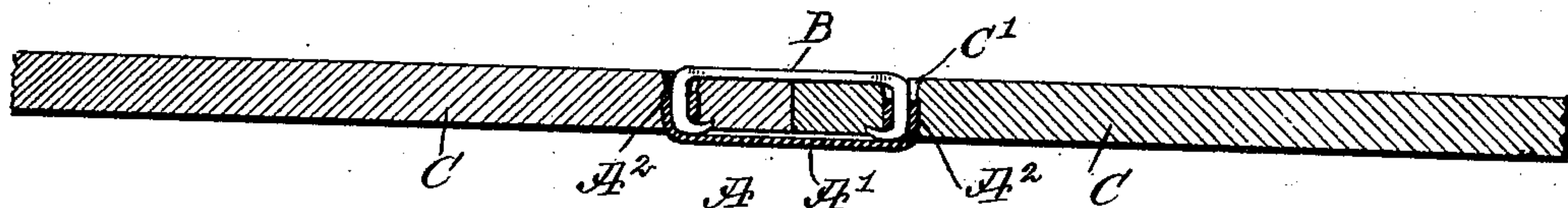
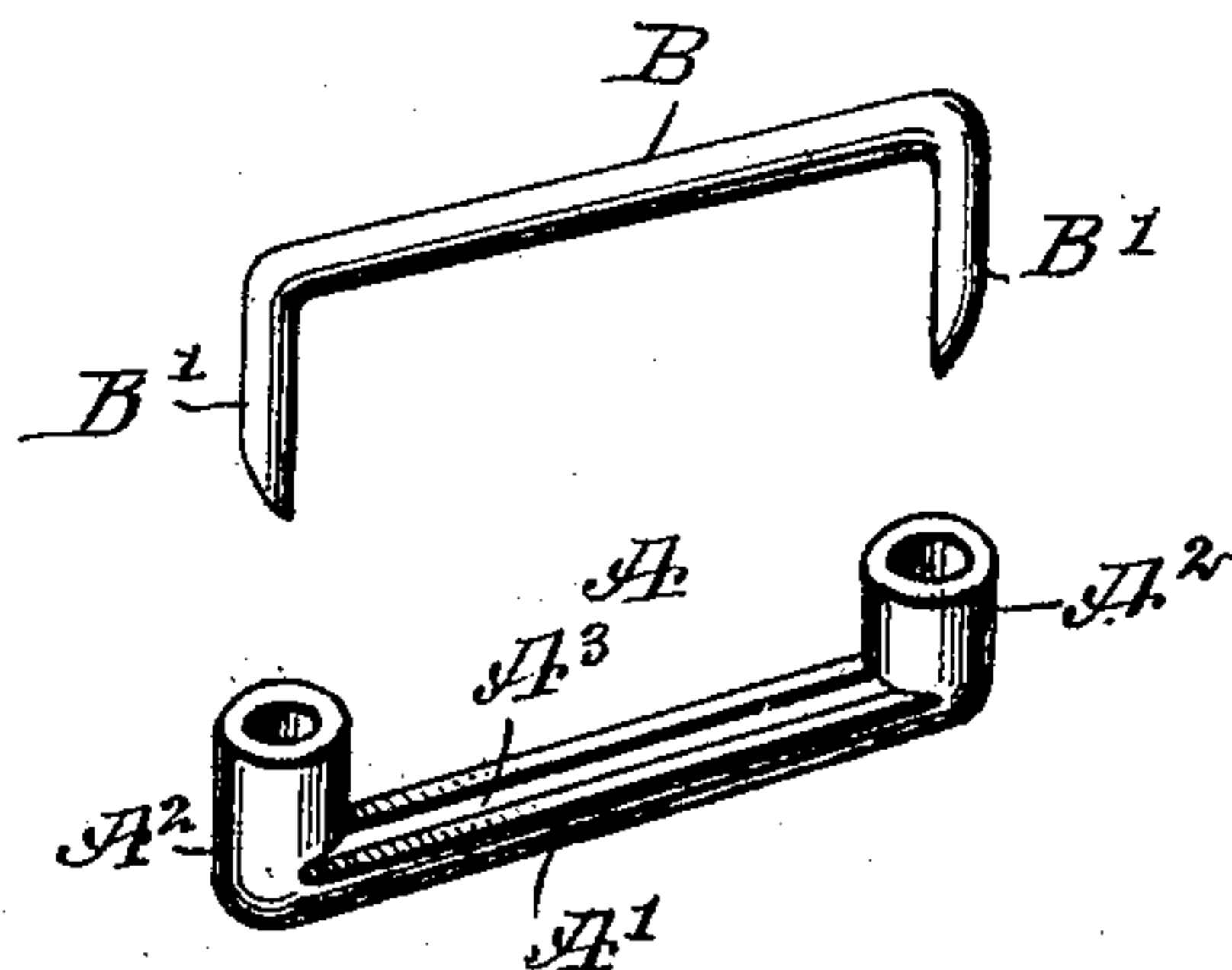


Fig. 3.



WITNESSES

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PERRY A. HUDSON, OF NEW YORK, N. Y.

BELT-FASTENER.

No. 886,215.

Specification of Letters Patent.

Patented April 28, 1908.

Application filed July 18, 1907. Serial No. 384,350.

To all whom it may concern:

Be it known that I, PERRY A. HUDSON, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Belt-Fastener, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved belt fastener, which is simple and durable in construction and arranged to securely fasten the ends of the belt together, without danger of tearing the belt material and without producing undesirable thicknesses or projections on either face of the belt, thus allowing the passing of the belt with either face over the pulleys.

The invention consists of novel features and parts and combinations of the same, which will be more fully described herein-after and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a plan view of the improvement as applied; Fig. 2 is an enlarged sectional side elevation of the same, and Fig. 3 is a perspective view of the improvement showing the members separated.

The belt fastener consists essentially of a socket member A and a staple B, of which the socket member A is formed of a bar A' terminating at its ends in rising sockets A² adapted to pass into apertures C' punched or otherwise produced in the belt C adjacent to the ends thereof, as plainly shown in Fig. 2. The bar A' is provided on its upper face with a longitudinally extending groove A³ leading into the inner ends of the sockets A².

The staple B is arranged so that its pointed ends B' fit into the sockets A², and when the socket member A is in position on one face of the belt C and the staple B is inserted into the sockets A² from the other face of the belt C and the staple is driven forcibly home, then the pointed ends B' of the staple B on striking the bottoms of the sockets, follow the groove A³ and pass out of the sockets and are bent upward, to pass through the groove and enter the belt material, the pointed ends

of the staple being automatically clenched on the belt. On driving the staple B home, its middle bar readily embeds itself in the face of the belt, thus leaving no undesirable projection or extra thickness. In a like manner the socket member A is drawn firmly in position on the belt, and as the clenched terminals of the staple are completely covered by the bar A', it is evident no undesirable projection or extra thickness is formed on this face of the belt, and hence as both faces are practically smooth either can be used as the active one, that is, the one that passes over the pulley.

The belt fastener shown and described is exceedingly simple, strong and durable and not liable to pull out of the belt when the latter is in use and subjected to heavy strains.

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

1. A belt fastener comprising a socket member formed of a bar grooved at one face, and sockets integrally rising from the said face at the ends of the bar, the sockets opening into the groove of the bar, and a staple having its pointed ends passing into the sockets and into the groove of the bar to be bent into clenching position.

2. A belt fastener having a socket member formed of a bar, and sockets projecting at an angle from the ends of the bar, the bar being grooved lengthwise and the groove leading into the sockets.

3. A belt fastener comprising a staple, and a bar provided at its ends with sockets for receiving the points of the staple, said sockets having openings at the face of the bar adjacent to the body of the staple for the purpose set forth.

4. A belt fastener comprising a staple, and a bar provided at its ends with sockets for receiving the points of the staple, and means in connection with the bar for bending the points of the staple inwardly and upwardly.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

PERRY A. HUDSON..

Witnesses:

THEO. G. HOSTER,

EVERARD B. MARSHALL.