B. C. ROBINSON.

BELT FASTENER.

APPLICATION FILED JULY 20, 1917.

1,394,355. Patented Oct. 18, 1921.

Fig. 3

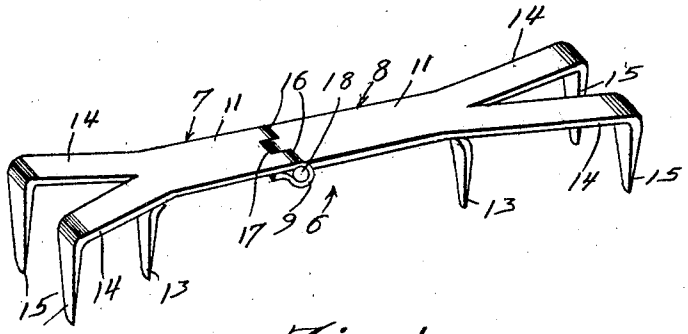


Fig. 1

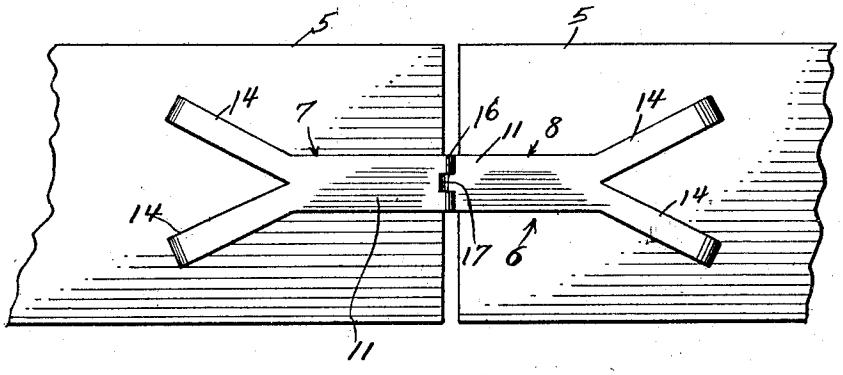
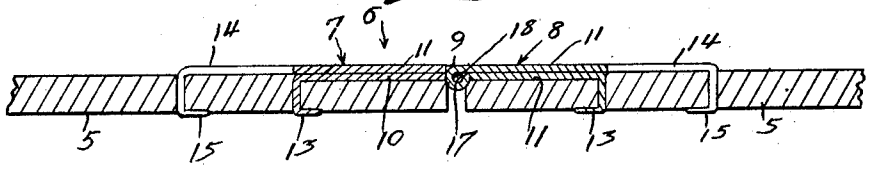


Fig. 2



Witnesses

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UNITED STATES PATENT OFFICE.

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BELT-FASTENER.

1,394,355. Specification of Letters Patent. Patented Oct. 18, 1921.

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To all whom it may concern:

Be it known that I, BOYDEN C. ROBINSON, a citizen of the United States, residing at Long Lake, in the county of Hamilton, State of New York, have invented certain new and useful Improvements in Belt-Fasteners; 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.

This invention relates to improvements in belt fasteners and has for an object to provide as an article of manufacture a connector for adjacent ends of a drive belt or the like, the sections of which are each formed in novel manner from a single length or strip of sheet metal whereby to produce an extremely simple, efficient and inexpensive article of the character specified.

With the above and other objects of similar nature in view, the invention consists in the construction, combination and arrangement of parts, set forth in and falling within the scope of the appended claim.

In the drawing:

Figure 1 is a plan view of adjacent ends of a belt showing the invention applied,

Fig. 2 is a longitudinal section therethrough, and

Fig. 3 is a detached perspective view of the fastening device.

Referring now more particularly to the accompanying drawing, there is shown adjacent ends of a flexible belt 5 which are connected by means of my improved fastener 6.

Specifically the fastener 6 consists of two similarly constructed sections 7 and 8 which are hingedly connected and secured to the respective belt ends as will subsequently be explained. The sections 7 and 8 are each formed from a relatively narrow strip of metal which is doubled or folded against itself as shown at 9 and results in a relatively short arm 10 and a relatively long arm 11, said arms being disposed in parallel contacting relation and being held against distortion by welding or otherwise.

The extremity of the short arm 10 is reduced and sharpened and directed at an angle away from the long arm 11 to provide a prong 13, while said long arm is split longitudinally from its free end as shown and the resultant side members 14 bent in divergent relation with their extremities sharpened and directed angularly in substantially parallel relation to the prong 13 whereby to provide additional prongs 15.

The member 8 is reduced transversely where it is bent upon itself, and the bend is so formed as to produce a narrow loop or tubular ear 17. An opening is formed through the member 7 where it is bent upon itself, so that this bend results in the formation of spaced loops or tubular ears 16. In assembling the parts of the belt fastener, the tubular ear 17 is disposed between the tubular ears 16 so as to aline with them, and through these alined tubular ears is engaged a pintle 18 that pivotally connects the two members 7 and 8.

In applying the fastener to a belt attention is directed to Figs. 1 and 2 which show the prongs 13 and 15 as inserted through the ends of the belt 5 and have their projecting ends bent against the latter in a direction toward the hinged connection of the sections. In this manner the fastener is securely held in place and serves to effectively connect the adjacent ends of the belt.

What I claim is:—

As an article of manufacture, a belt fastener consisting of a pair of malleable sheet metal strips, each strip being bifurcated at one end with resultant divergent and terminally tapered prongs turned in the same direction at right angles to the plane of the strip, the opposite end of one of the members being bent upon itself into the angle between its body and its prongs with a resultant loop and having the central part of the loop cut away with resultant tubular spaced ears, the extremity of the portion bent upon itself being tapered and bent into parallel relation with the corresponding prongs and equidistant therefrom, the other member of the fastener having its end por-

tion opposite to its prongs reduced laterally and bent upon itself and upon the body portion with a resultant loop disposed in the cut-away portion of the loop of the first member, the extremity of the narrowed portion extending parallel with the prongs of the corresponding member, and equidistant therefrom, and a pintle through the medium of which the loop portions are pivotally connected.

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

BOYDEN C. ROBINSON.

Witnesses:

CATHARINE H. ROBINSON,

BEN LAHEY.