

(No Model.)

W. K. HANCE & R. F. REDICK.
BELT FASTENER.

No. 463,664.

Patented Nov. 24, 1891.

FIG-1-

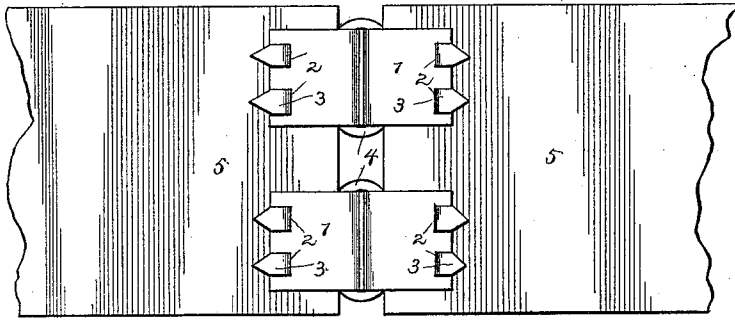


FIG-2-

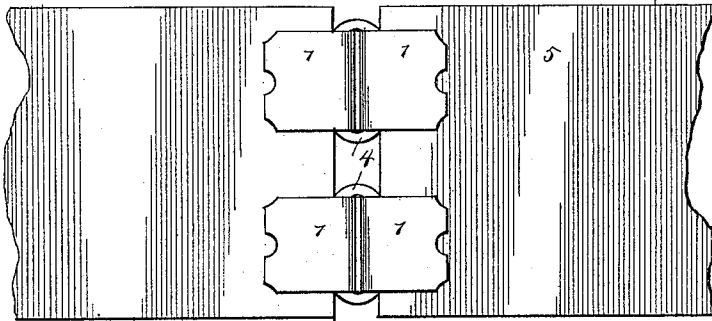


FIG-3-

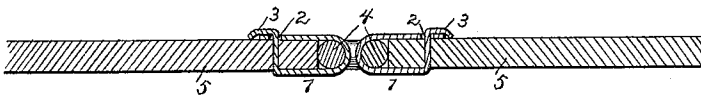


FIG-4-

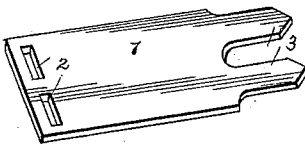
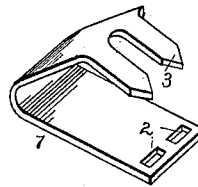


FIG-5-



Witnesses:

B. S. Ober

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By their Attorneys,

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Inventors

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UNITED STATES PATENT OFFICE.

WILKERSON K. HANCE AND REUBIN F. REDICK, OF SPENCERVILLE, OHIO.

BELT-FASTENER.

SPECIFICATION forming part of Letters Patent No. 463,864, dated November 24, 1891.

Application filed March 5, 1891. Serial No. 383,858. (No model.)

To all whom it may concern:

Be it known that we, WILKERSON K. HANCE and REUBIN F. REDICK, citizens of the United States, residing at Spencerville, in the county of Allen and State of Ohio, have invented a new and useful Belt-Fastener, of which the following is a specification.

Our invention relates to improvements in belt-fasteners, the objects in view being to provide a cheaply made, easily applied, and secure fastener for flexibly connecting the ends of endless belts.

Other objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claim.

Referring to the drawings, Figure 1 is a plan of a belt-fastener constructed in accordance with our invention. Fig. 2 is a reverse plan. Fig. 3 is a vertical longitudinal section through one of the fasteners and the belt. Fig. 4 is a detail of the fastener previous to bending. Fig. 5 is a similar view after bending, but before clinching.

Like numerals of reference indicate like parts in all the figures of the drawings.

In practicing our invention we stamp or otherwise form from sheet steel or iron the blank, which consists of the plate 1 of substantially oblong shape, provided at one end with a pair of slots 2 and at its opposite end with a pair of tongues 3, occurring opposite the slots and adapted in a manner hereinafter specified to interlock with the slots 2. For the purpose of economy of metal we locate the tongues 3 a distance apart agreeing with the width of the tongues and set them one-half their width within the edges of the plate. In this manner the metal between the tongues 3 of one plate will serve as one tongue of an adjacent plate, by which means both time and labor of manufacture and stock is saved.

In connecting the belt two or more of these fasteners are employed, and in applying the same to the meeting edges of the belt they are transversely bent at a slight distance in rear of their centers, so as to fold partially over upon themselves. The tongues 3 are struck up at about a right angle to the plate

1, and are passed through the belt, in which suitable openings have been punched, and also through the slots 2, after which the extremities of the tongues are bent over the edge of the plate and clinched in the material of the belt. The fasteners are not set up snug against the end of the belt, and therefore permit of the passage therethrough of the links 4 for connecting each pair of fasteners, and hence the ends of the belt 5.

From the above description it will be apparent that suitable fasteners may be cheaply and conveniently stamped from sheet-steel or other metal, and after having been bent by hand or machinery readily applied to the ends of a belt and subsequently connected in pairs by the links 4. A belt the ends of which are thus connected will be found to contain all the necessary flexibility at its joint as well as strength and durability. It will be apparent that by unclenching the tongues from the belt, which may be accomplished by the insertion of a suitable wedge-shaped tool thereunder, said tongues may be readily withdrawn from the belt and the slots 2 and the fasteners removed, so that the belt may be changed from one position to another, slack taken up, &c.

Having described our invention, what we claim is—

The combination, with a belt, of the opposite pairs of fasteners and the links connecting the same, each of said fasteners consisting of the metal plate bent upon itself, provided near one end with the perforations and at its opposite end with a pair of tongues, said fasteners embracing the ends of the belt and having their tongues passed through the belt and perforations and clinched over the ends of the plates, substantially as specified.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

WILKERSON K. HANCE.
REUBIN F. REDICK.

Witnesses:

J. B. FINCH,
J. N. BAILEY.