B. P. Walker,

Belt Joint.

No. 89,820. Patented May 4, 1869.

Fig. 1.

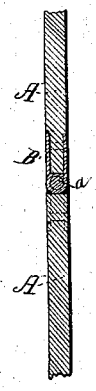


Fig. 2.

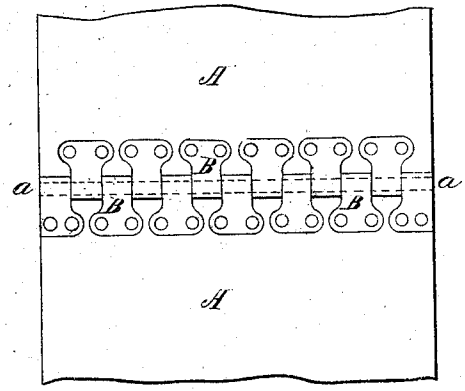


Fig. 3.



Fig. 4



Fig. 5.

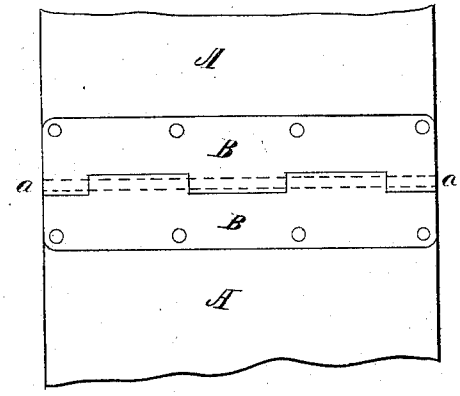


Fig. 6

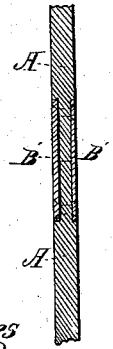
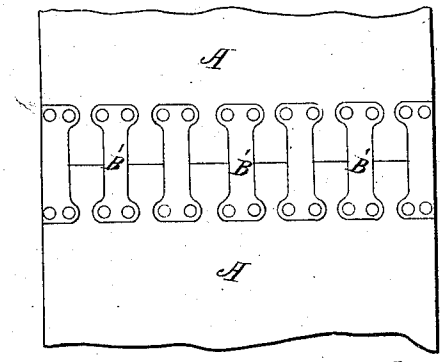


Fig. 7



Witnesses
Thos. Richards
H. Barnes

Inventor
Barnard Peard Walker

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

United States Patent Office.

BERNARD PEARD WALKER, OF WOLVERHAMPTON, ENGLAND.

Letters Patent No. 89,820, *dated May* 4, 1869.

IMPROVED BELT-JOINT.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, BERNARD PEARD WALKER, of Wolverhampton, Stafford county, England, have invented an Improvement in Belt-Fastenings; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention consists of certain plates, applied to the adjacent ends of a belt, as fully described hereafter. so as to secure them firmly together without overlapping them.

In order to enable others skilled in the art to make and use my invention, I will now proceed to describe the same, reference being had to the accompanying drawing, which forms a part of this specification, and in which—

Figures 1, 2, and 3 represent a modification of the usual hinge-joint;

Figure 5, the ordinary hinge-joint; and

Figures 4, 6, and 7, my improvement.

The ordinary hinge-joints for securing the ends of belts together, are objectionable, from the fact that they generally depend for their security on a single coupling-pin, which is soon worn by the abrasion of the parts which it connects, and becomes loose, and displaced or broken.

I avoid this difficulty by connecting two ends of the strap which are in contact, but do not overlap, by thin flexible metal plates, B′ B′, fig. 7, extending over both ends of the strap, and secured to the same by rivets, each of the lower plates being directly below one of the upper ones, so that both shall be secured by the same rivets to the strap and to each other, thus firmly clamping the strap between them.

It will be seen, that in the above-described device, there are no parts which can become loosened or worn by abrasion, so that the coupling is more reliable than those formed in the ordinary manner, while it can be extended or diminished to any width by merely increasing or reducing the number of plates.

I claim as my invention, and desire to secure by Letters Patent—

Joining the ends of driving-bands by means of flat, thin metal plates, between which the ends of the band or strap are placed, and secured by rivets or screws passing through the two plates, and through the enclosed leather, or other material of which the band or strap is formed, as hereinbefore described.

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

BERNARD PEARD WALKER.

Witnesses:

JOHN RICHARDS, *of Birmingham.*

W. BARNES, *of Birmingham.*