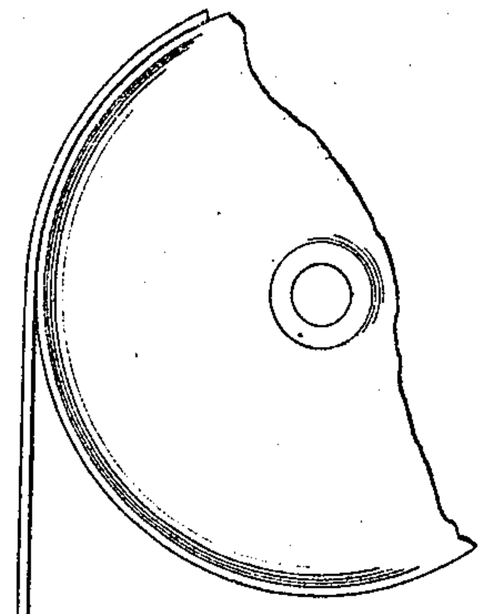
C. O. Pike.

Belt-Fastener.

No. 72325

Patented Dec. 17, 1867.



Witnesses
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CHARLES O. PIKE, OF NORTH LEVERETT, MASSACHUSETTS.

Letters Patent No. 72,325, *dated December* 17, 1867.

IMPROVED BELT-FASTENER.

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, CHARLES O. PIKE, of North Leverett, in the county of Franklin, and State of Massachusetts, have invented a new and improved Belt-Fastener and Tightener; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a side view of my improved belt-fastening and tightening-device, as applied to a belt.

Figure 2 represents the tightening part detached, in front view.

Figure 3 represents the fastening part of the device when attached to a belt.

Figure 4 is a cross-section, taken in the line *x x*, fig. 3.

Similar letters of reference indicate corresponding parts.

This invention relates to a new and useful device for fastening the ends of a belt, and for tightening it, and the improvement consists in a clamp, for holding the ends of the belt together, and a lever-arrangement fitted to the clamp for tightening the belt, as hereinafter fully described.

A half-collar, *a*, fig. 4, made of metal, of the width of the belt, is divided into spaces by partitions *b b*, on the inside, having T-shaped upper sides or heads, as seen in cross-section. The two ends of a belt are slit into as many parts as there are spaces between the partitions *b b*, and being laid together, with their ends A A′ in the same direction, the strips *m m* are inserted between the partitions, and within the outer sides of the half-collar *a*. The two ends A A′ of the belt, thus laid together, are fastened and held together by a clamping-wedge, *c*, which extends across the upper side of the half-collar *a*, and is divided into teeth or prongs *c′*, which fit within the collar and the spaces between the partitions *b b*, under their T-shaped heads and over the belt, so that when the lower end A′ of the belt is turned back upon itself, as shown in fig. 1, the collar and wedge acting together effectually prevent the ends A A′ from slipping. In order to tighten the belt, two double levers, *d d*, *d′ d′*, are pivoted together at *e e*, the levers being connected, at one of their ends, by cross-bars *s s′*, and at the other of their ends by bars *g g′*. One of the double levers is fitted within the other, as seen in fig. 2. Within the inside double lever *d d* is hung, by its ends, a swing-bar, *h*, which is provided with a swinging handle, *k*.

This device is operated by placing the connecting-bar *s′* under the half-collar *a*, and between it and the lower end A′ of the belt, and the connecting-bar *s*, under the upper end A of the belt, when, by moving the swing-bar *h*, so that it bears on the upper side of the end A of the belt, it will clamp upon the end, so that it can be drawn out from the collar *a*, by spreading the double levers, as shown in fig. 1. The connecting-bar *s′* of the outside double lever *d′ d′* has its fulcrum at the foot, keeping the collar *a* and the lower end A′ of the belt stationary. The clamping-wedge *c* will slip out at the same time, and, when the belt is tightened, must be replaced, to keep the ends fast, as shown in fig. 3.

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

1. The half-collar *a* and the clamping-wedge *c*, for fastening the ends of a belt, constructed and operating substantially as described.

2. The double levers *d d′*, constructed and operating as described, in combination with the above fastening-device.

CHARLES O. PIKE.

Witnesses:

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