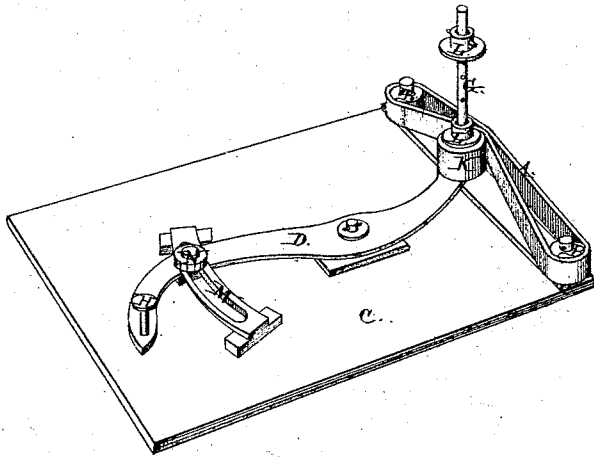


Chamberlin & Clawson,

Belt Tightener.

No. 99634.

Patented Feb. 8. 1870.



Witnesses

Harry J. King
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Inventor:

M. C. Chamberlin
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per
Alexander Mason
Att'y.

United States Patent Office.

M. C. CHAMBERLIN AND A. CLAWSON, OF PLAIN VIEW, MINNESOTA.

Letters Patent No. 99,634, dated February 8, 1870; antedated January 29, 1870.

IMPROVED BELT-TIGHTENER.

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

To all whom it may concern:

Be it known that we, M. C. CHAMBERLIN and A. CLAWSON, of Plain View, in the county of Wabashaw, and in the State of Minnesota, have invented certain new and useful Improvements in Belt-Tightener and Regulator; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of our invention consists in the construction of a device for tightening and regulating loose belts, as will hereafter be more fully set forth.

The accompanying drawing is perspective of our invention.

Letter A represents a belt, which passes around the pulleys B.

Pivoted to the wall or base C, is a long curved bar, D, one end of which has the rod G extending outward from it, while the other is provided with a knob or handle, H, by which the bar is moved back and forth.

Upon the rod G there is placed a pulley, K, which revolves freely around the rod, and which is moved by the bar D against the side of the belt, in such a manner as to tighten it, in case it should have become loose and slack.

Over the rod there are slipped one or two collars, L, which are keyed on, and which are used to secure the pulley at any desired place on the rod.

The lower end of the bar D passes under the circu-

lar slotted plate M, which regulates the distance which the bar is to be moved back and forth, and which is provided with a screw, N, so as to secure in at any desired point.

During damp weather, belts are always liable to stretch and give, in such a manner that it is difficult to make them perform the usual service, unless they are taken off and shortened. By this device, the belts can be regulated or tightened to any required degree, in a moment's time, and with little or no trouble.

Having thus described our invention,

What we claim, and desire to secure by Letters Patent, is—

1. The curved bar D, provided with the knob or handle H and rod G, when used substantially as shown.

2. The collars L, when used to secure the pulley K at any desired point on the bar G, substantially as set forth.

3. The arrangement of the curved bar D, rod G, pulley K, collars L, handle H, curved and slotted plate M, and screw N, all substantially as shown and described.

In testimony that we claim the foregoing, we have hereunto set our hands, this 7th day of July, 1869.

M. C. CHAMBERLIN.

A. CLAWSON.

Witnesses:

H. P. WILLSON,

A. M. BALDWIN.