

No. 782,378.

PATENTED FEB. 14, 1905.

E. L. BILADEAU.
PULLING DEVICE.
APPLICATION FILED MAY 23, 1904.

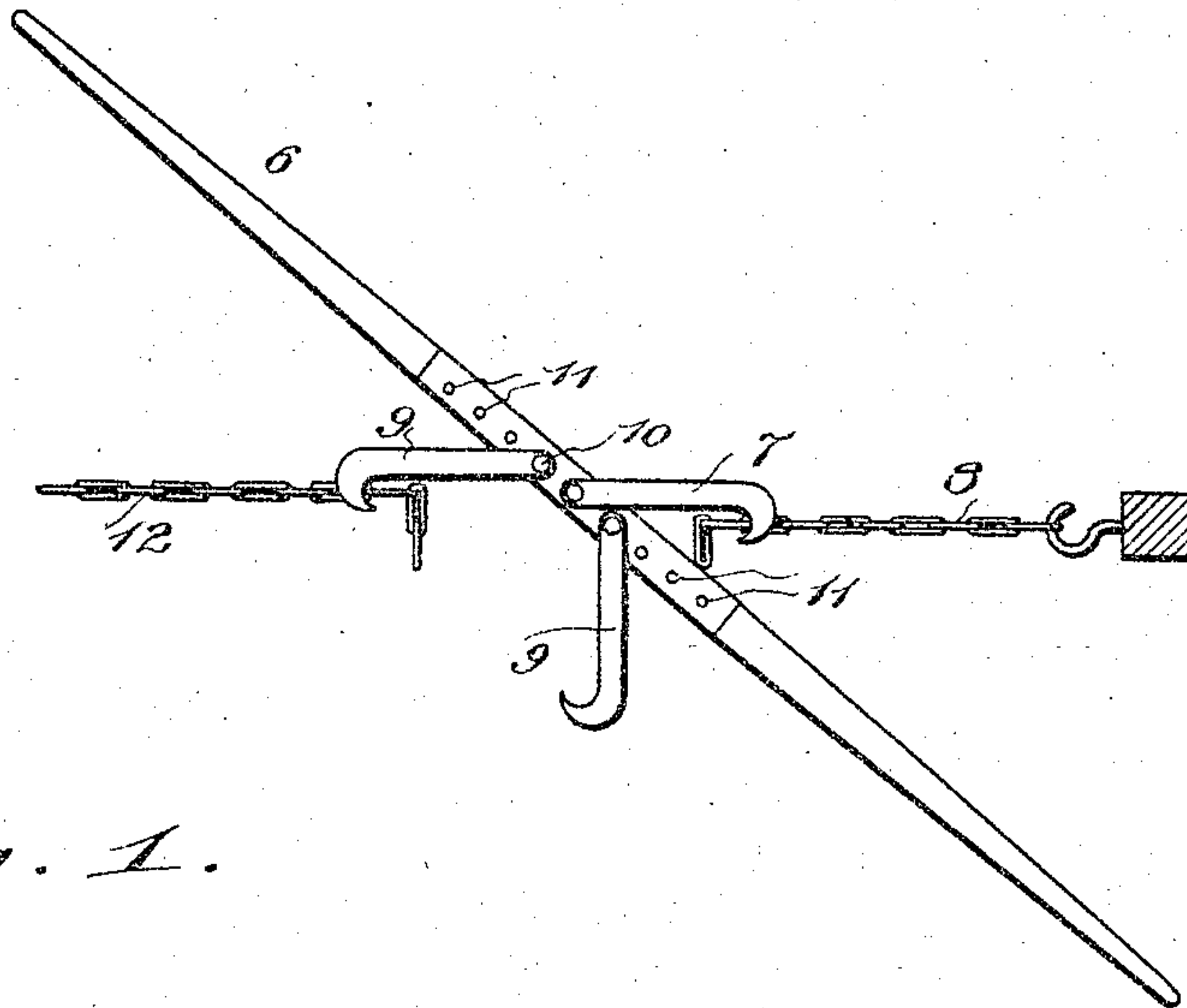


Fig. 1.

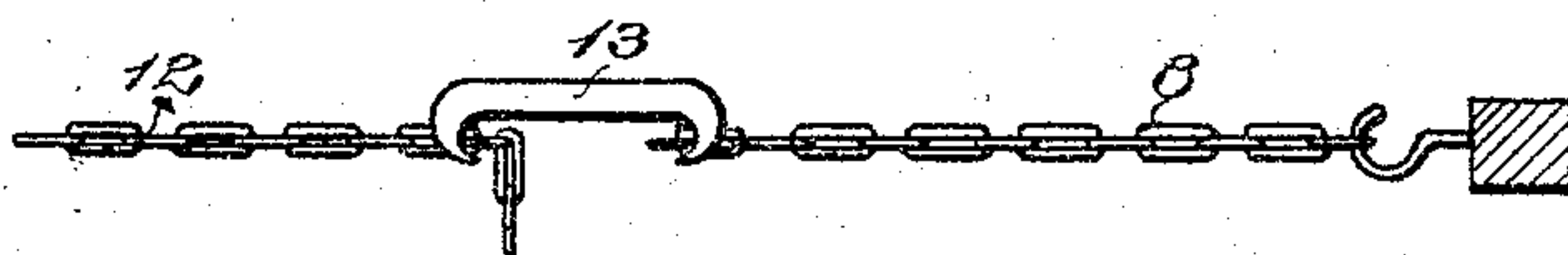


Fig. 2.

Witnesses

Maschmitt
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Inventor

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UNITED STATES PATENT OFFICE.

ERNEST L. BILADEAU, OF BELLAIRE, MICHIGAN.

PULLING DEVICE.

SPECIFICATION forming part of Letters Patent No. 782,378, dated February 14, 1905.

Application filed May 23, 1904. Serial No. 209,365.

To all whom it may concern:

Be it known that I, ERNEST L. BILADEAU, a citizen of the United States, residing at Bellaire, in the county of Antrim and State of Michigan, have invented new and useful Improvements in Pulling Devices, of which the following is a specification.

This invention relates to a device for use in hoisting, hauling, stump-pulling, fence-stretching, and the like, and comprising a lever having hooks thereon arranged to engage the chains to pull on the same, together with a device for holding the chains while the lever is being rearranged for a fresh hold.

The device is more fully described in the following specification and is illustrated in the accompanying drawings, in which—

Figure 1 is a plan view illustrating the device and its use. Fig. 2 is a plan view showing a supplemental hook to hold the chains while the lever is being rearranged.

Referring specifically to the drawings, 6 indicates a double-ended lever, having a handle at each end. Pivoted to the middle of the lever is a hook 7, adapted to engage a chain 8, which will be fastened to an anchor or suitable fixed object. On each side of the hook 7 is a hook 9, pivotally connected to the lever by a removable pin 10, which may be placed in any one of a series of holes 11 in the lever to vary the leverage. Either hook may be changed, so as to vary the leverage for different sides of the lever—as, for example, to suit the strength of different operators, say a man and a boy, working the different ends of the lever. The hooks 9 extend oppositely to the hooks 7 and are adapted to grip the hauling-chain 12.

The operation of the device is evident. By vibration of the lever the hooks 9 are permit-

ted to alternately engage the hauling-chain in a step-by-step manner and pull the same, the engagement being effected by manipulation.

It is desirable in appliances of this kind to provide some means for holding the chains while the lever is being removed and rearranged for a fresh hold. To this end I provide a double-ended hook 13, adapted in use to grip the anchor-chain and the hauling-chain and hold the same while the lever is being changed, as illustrated in Fig. 2. When it is desirable to change the lever for a fresh hold, the hook 13 is engaged at its ends to the respective chains, which are thus held while the hooks on the lever are disengaged and the lever shifted to the new place desired. This can be done very quickly and materially increases the range of action of the lever, since in drawing heavy objects or stretching fences toward an anchor it will frequently be necessary to change the lever to a position nearer the anchor as the hauling or stretching proceeds.

What I claim as new, and desire to secure by Letters Patent, is—

The combination with a lever having a handle at each end of an anchor-hook at or about the middle thereof and a pulling-hook on each side of said anchor-hook, each pulling-hook being independently adjustable along the lever, to vary the leverage of the respective ends thereof.

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

ERNEST L. BILADEAU.

Witnesses:

C. E. DENSMORE,
HARRY M. WILSON.