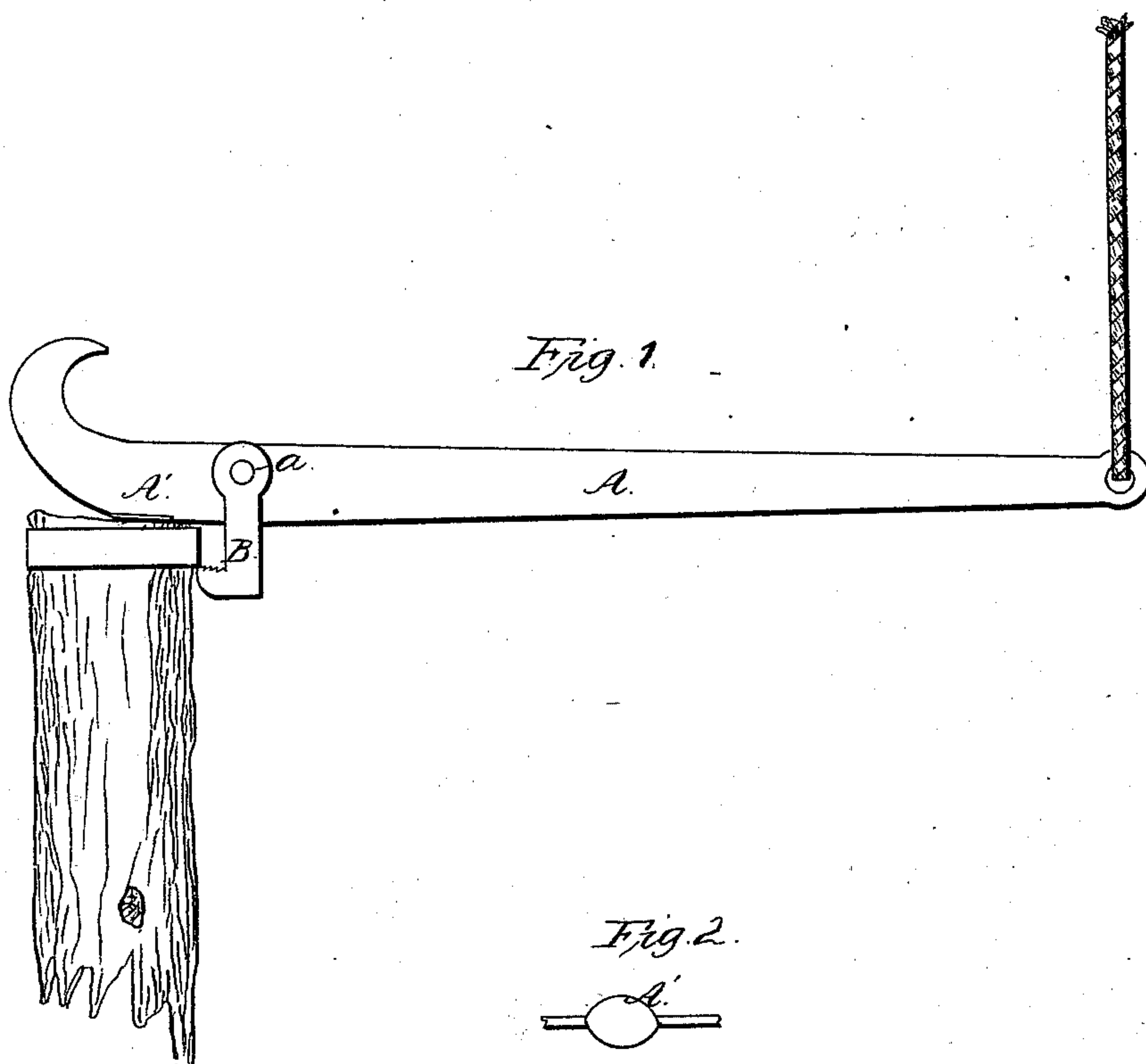


H. M. Wait,

Pile Driver,

Patented July 21, 1868.

N^o 80,251.



Witnesses.
Frederic E. Thomas.
E. R. Beadle.

Inventor
of M. Wait by
J. M. Beadle. Att.

United States Patent Office.

H. M. WAIT, OF WOODSTOCK, ILLINOIS.

Letters Patent No. 80,251, dated July 21, 1868.

IMPROVED BAND-PULLER.

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, H. M. WAIT, of Woodstock, in the county of McHenry, and State of Illinois, have invented a new and useful Band-Puller; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention relates to a simple device for removing the bands from piles after the latter have been driven to their place, and consists in the construction and arrangement of a peculiar lever and hook, the details of which will be fully described hereinafter.

In the drawings—

A represents the lever, which terminates in a curve at one end, as shown, and is provided at the other with an eye, for the purpose of attaching the rope of the hoisting-apparatus of the pile-driver.

A' represents an oval face, located forward of the hook, and attached to the edge of lever A at right angles, which face bears upon the head of the pile when the puller is in position.

It will be observed that the lower edge of lever A inclines upward from the hook in a forward direction, by which construction the puller is more easily put in place, as the angle between the lever and the hook is thereby enlarged.

B represents the hook, pivoted to lever A at *a*, its upper part being slotted, as shown, for the purpose of receiving the lever. This hook is of peculiar construction. Its sides are parallel, and its projection or hook part is at right angles to its sides. The face of the hook is roughened or provided with slight projections for the purpose of preventing it from slipping upon the band.

From this description the operation of my invention will be readily understood. After the pile has been driven to its place, the face of the band-puller is laid upon the head of the former, and the hook is caught under the edge of the band. The rope attached to the rear end of the lever is then drawn up, and the band thus removed.

The curved end of the lever forms a suitable surface for the lever to turn upon, and also operates as an eccentric to throw off the band. When it is known that the usual manner of removing these bands is by means of a sledge-hammer, a process which is not only exceedingly laborious, but is also so detrimental to the band, that the latter is rendered unfit for use in two or three operations, the value of this simple device will be easily understood.

By this arrangement a band is only injured by the wear incident to its position. It is removed entirely without injury.

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

The lever A, with curved end, and face A', in combination with hook B, the whole being constructed as described, and combined and operated as and for the purpose set forth.

This specification signed and witnessed, this 29th day of May, 1868.

H. M. WAIT.

Witnesses:

C. L. LYON,

A. J. SALISBURY.