N. T. EDSON.

Band Saw-Frame.

No. 159,807. Patented Feb. 16, 1875.

Fig. 2.

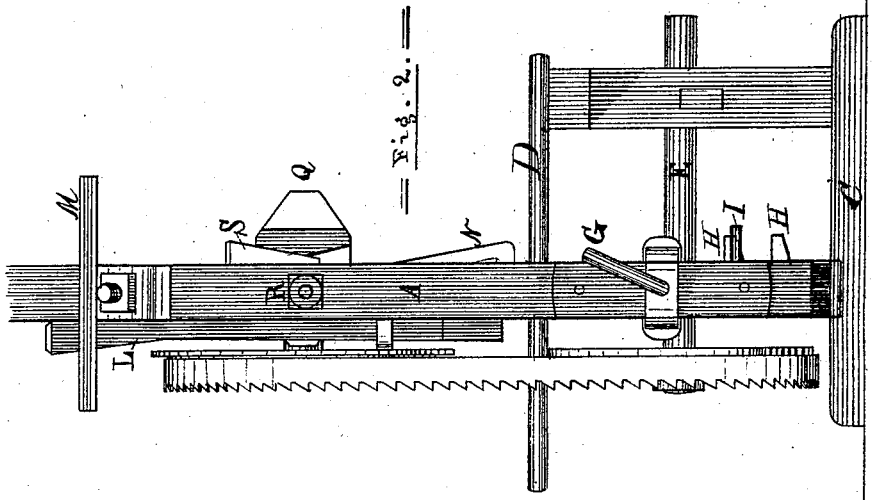
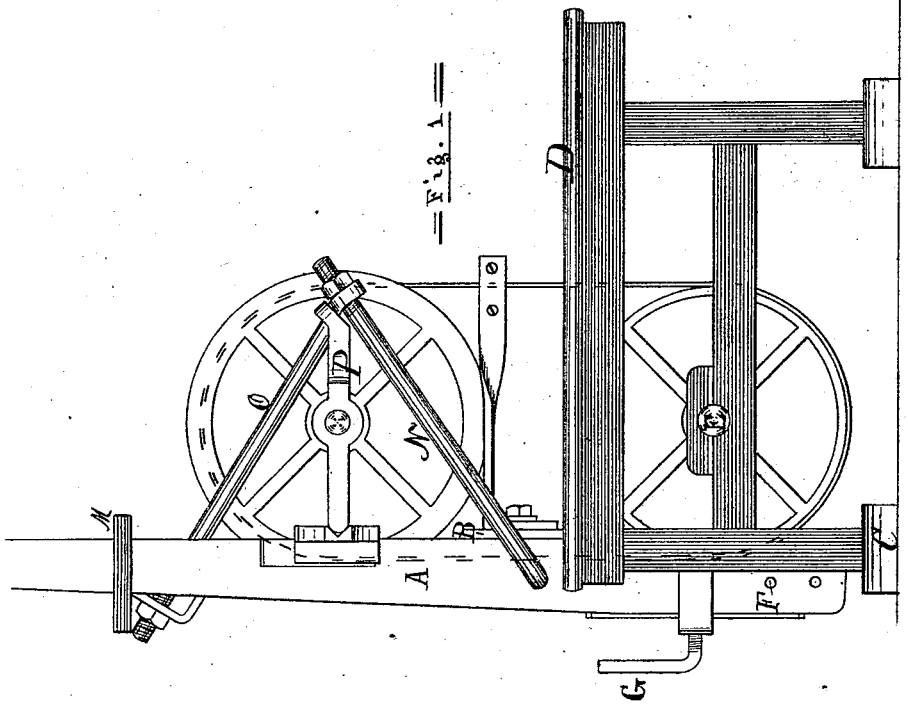


Fig. 1.



WITNESSES.

Thomas Dodd

P. A. Conant

INVENTOR.

Nath'l T. Edson

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

NATHANIEL T. EDSON, OF NEW ORLEANS, LOUISIANA.

IMPROVEMENT IN BAND-SAW FRAMES.

Specification forming part of Letters Patent No. **159,807**, dated February 16, 1875; application filed April 7, 1874.

To all whom it may concern:

Be it known that I, NATHL. T. EDSON, of New Orleans, Louisiana, have invented certain Improvements in Band-Saw Frames, of which the following is a specification:

The first part of my invention relates to the combination of a stationary and movable post in such a manner that the stationary post will form a part of the frame, while the movable post is susceptible of being elevated to impart tension to the saw. The second part of my invention relates to the combination of post-supporting plate and wedge for the adjustment of a band-saw pulley.

Figure 1 is a side elevation of a frame embodying my invention. Fig. 2 is an end elevation of the same.

A is the wood suspension-post. B is the iron stationary post, and is firmly attached to the sill C and the front cross-timbers that support the table D and shaft E. A clamp is firmly attached to the post B, through an orifice of which the screw G is made to pass. Lugs H on post B, and pin I in orifice F of post A, form a fulcrum for a lever.

On applying tension to the saw a lever is placed on the lug H and under pin I, and the post A elevated sufficiently. Then screw G is turned against post A, and the wedge L is driven down by striking on a projection formed on its lower end, thereby forming a close connection between the post and block M, which block is firmly attached to the upper part of the building. If additional tension is required the nut on rod O may be tightened. Said rod passes through an orifice formed in the hanger P, which also has formed in its end an orifice to receive the upper end of rod N, and to form a shoulder for hanger P. Said hanger is forked at the end that rests against plate Q, the end of each branch of the fork being rounded to enter a V-shaped recess formed in plate Q. The plate has formed in its back side a flange, between which flange and post A wedge S is driven to adjust and retain, with the aid of a bolt and nut, R, the plate and hanger in their proper position. The saw is driven by a pulley placed on the end of shaft E.

I claim as my invention—

1. The combination of posts A and B, when made and operated substantially as hereinbefore set forth.

2. The combination of post A, plate Q, and wedge S, substantially as and for the purposes set forth.

NATHL. T. EDSON.

Witnesses:

ANDREW HERO, Jr.,

P. A. CONAND.