(No Model.)

L. T. PYOTT.

BAND SAWING MACHINE.

No. 304,129. Patented Aug. 26, 1884.

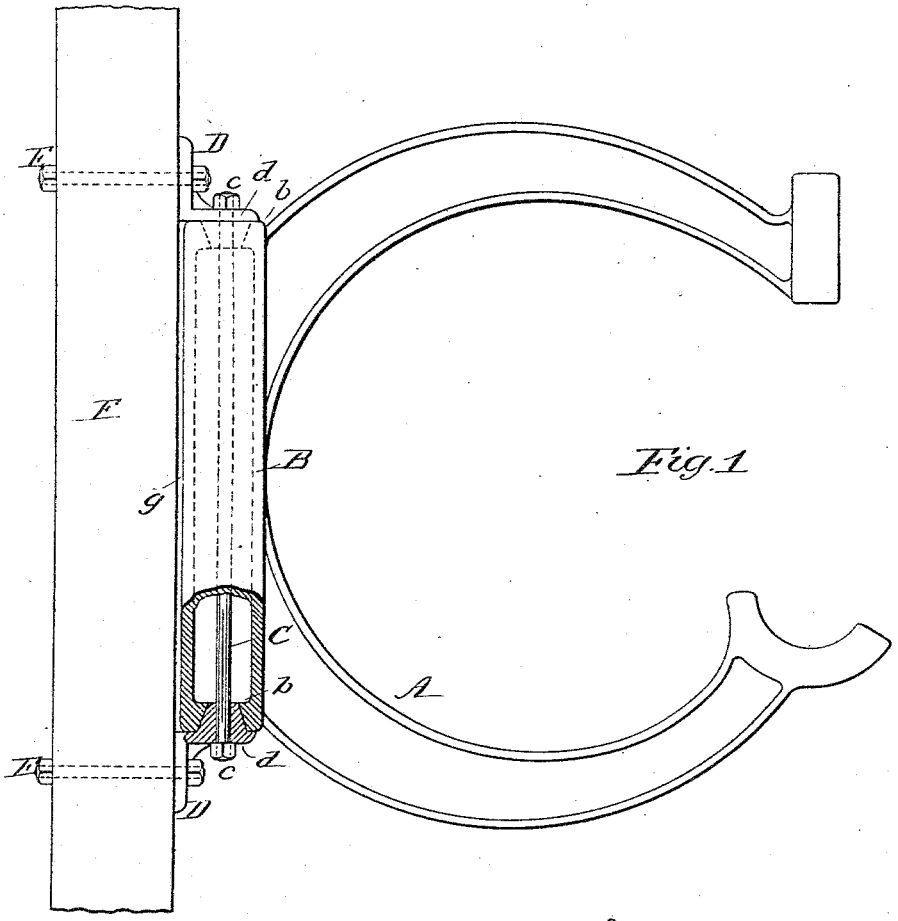

Fig. 1

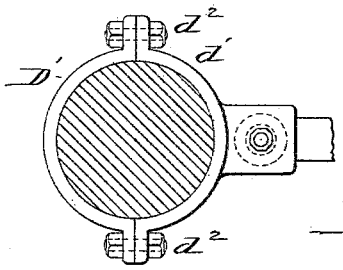

Fig. 2

Witnesses
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UNITED STATES PATENT OFFICE.

LOUIS T. PYOTT, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO GOODELL & WATERS, OF SAME PLACE.

BAND SAWING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 304,129, dated August 26, 1884.

Application filed January 18, 1884. (No model.)

To all whom it may concern:

Be it known that I, LOUIS T. PYOTT, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Band-Saw Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a side elevation, and Fig. 2 is a top view of semicircular bracket.

My invention has for its object to provide means whereby the frame or arm of a band-saw may be sustained on a post, pillar, or wall, thereby dispensing with supporting-legs or a table for that purpose, thus lessening the expense of the machine.

My improvements consist in forming the arm or frame of the saw with a tubular projection adapted for the reception of a bolt, and having flaring extremities to receive conical bosses on brackets, which latter are adapted and designed to be bolted to or on a post, pillar, or wall.

My improvements consist, still further, in the peculiar construction of the supporting-brackets, which are formed with conical or tapering bosses, and in the combination of said brackets with the saw frame or arm, as hereinafter fully set forth.

Referring to the accompanying drawings, A represents the frame or arm of a band-saw machine, which is shown as a casting of approximately G form, but which may be of any suitable shape or design. The back part of said casting is formed with a projection, B, which is cored vertically to render it tubular and adapt it to receive a bolt, C. The ends of the opening in the projection B are made flaring or trumpet-mouthed, as shown at *b b*.

D D are brackets which are formed with conical or tapering bosses or projections *d d*, adapted to enter and fit snugly in the flaring ends *b b*. Said brackets are formed with vertical openings, which proceed through their conical bosses, for the passage of the bolt C, the latter having nuts *c c*, one at each end.

E E are bolts which pass through the brackets D D and secure the same, as shown, to a wall or flat column or pillar, F, as shown in Fig. 1 of the drawings. When used to fasten to a round post or pillar, the back plate, *d'*, of the brackets is made curved or semicircular, and connected by bolts d^2 d^2 with a metallic strip, D', whereby the bracket encircles the post or pillar, as shown in Fig. 2.

By means of the improvement described, the construction of the frame of a band-saw machine is simplified and the expense of manufacture reduced. The base or supporting-legs heretofore required are dispensed with, and at the same time the structure is rendered even more steady and stable than hitherto.

As will be apparent the altitude of the arm may be adjusted readily by moving the brackets up or down on the post, pillar, or wall.

The horizontal or table extensions of the brackets D are a little in excess of the diameter of the projection B, so as to leave a space, *g*, between said projection and the pillar F, and allow for any inequalities in the surface of the latter, and enable the brackets to be snugly fitted to and against the surface of the pillar, and the projection B brought to a true vertical or plumb position.

What I claim as my invention is as follows:

1. In a band-saw machine, the combination, with the saw-supporting arm A, having the vertical column B cast integral therewith, of the brackets D D, secured to a fixed support, F, at each end of said column, and provided with the bolt C, passing through the projection or column B and the said brackets, substantially as described.

2. The combination, with the saw-supporting arm A, having the hollow projection B, with conical cavities in its ends, of the brackets D D, secured to a fixed support, F, and provided with conical bosses which enter the conical cavities in the ends of projection B, substantially as described.

3. In combination with the projecting arm

of a band-saw machine, having a hollow vertical projection cast integral therewith, suitable brackets secured at each end of said projection upon a fixed support, and a bolt which passes through the said brackets and projection, and thereby secures the arm in position upon the fixed support, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 2d day of January, 1884.

LOUIS T. PYOTT.

Witnesses:
THOS. A. CONNOLLY,
ANDREW ZANE, Jr.