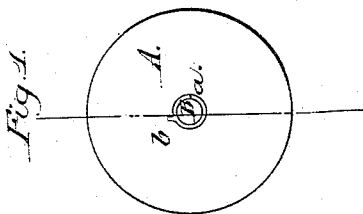
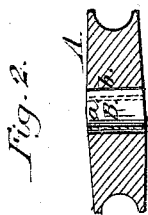


T. B. Stout

Wood Pulley

N^o 88,751.

Patented Apr. 6, 1869.



Witnesses:
S. W. Woods.
A. Van Vranken

Inventor:
Thos. B. Stout
J. S. Brown
attorney

United States Patent Office.

THOMAS B. STOUT, OF KEYPORT, NEW JERSEY.

Letters Patent No. 88,751, dated April 6, 1869.

IMPROVEMENT IN WOOD-PULLEY BUSH.

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, THOMAS B. STOUT, of Keyport, in the county of Monmouth, and State of New Jersey, have invented an improved Pulley for Sash-Weights and other uses; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification—

Figure 1 being a view of the face of the pulley.

Figure 2, a central transverse section thereof.

Like letters designate corresponding parts in both the figures.

The leading object in making small pulleys in large numbers is cheapness of construction, while the qualities of durability, good appearance, and freedom from undue friction, are retained to the fullest possible extent.

My improved pulley well fulfils all these conditions, and is free from any injury to the cord, or rope passing over it, and from any creaking noise common to ordinary pulleys.

I turn the pulley, A, from any suitable wood, and bore a round hole in the centre of the eye B. I then bush the eye with a piece of sheet-metal, or strip of metal, *a*, of any proper, and particularly of uniform, thickness, so that when bent round and inserted in the hole of the pulley, it only needs a few turns of a rod, or pin of steel, or any hard metal or material to properly fit the eye to receive the pivot.

The metal used for the bush *a* is of brass, or of any metal or alloy sufficiently hard and firm to sustain the pressure which may bear on the pulleys.

Its uniform thickness saves the labor and expense of reaming, or rounding the hole, since it has only to uniformly fit the round hole turned in the wood to furnish a true, round hole itself. Thus the pulley is very quickly and cheaply made.

In order the more securely to hold the bush in the eye, and to prevent its turning therein, I make a shallow notch, or slit at one side of the aperture in the wood, lengthwise thereof, or through the pulley, and turn one (it may be both, but preferably one,) edge of the bush into said notch, thus producing a flange, or rib, *b*, substantially as represented in fig. 1.

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

A bush, *a*, for a wooden pulley, formed of sheet-metal, or a strip of metal, of uniform thickness, and held in place by a flange, *b*, formed by bending one edge of the strip, substantially as herein specified.

The above specification of my improved wooden pulley, signed by me, this 6th day of December, 1867.

THOS. B. STOUT.

Witnesses:

MARCUS B. TAYLOR,
EUGENIA S. TAYLOR.