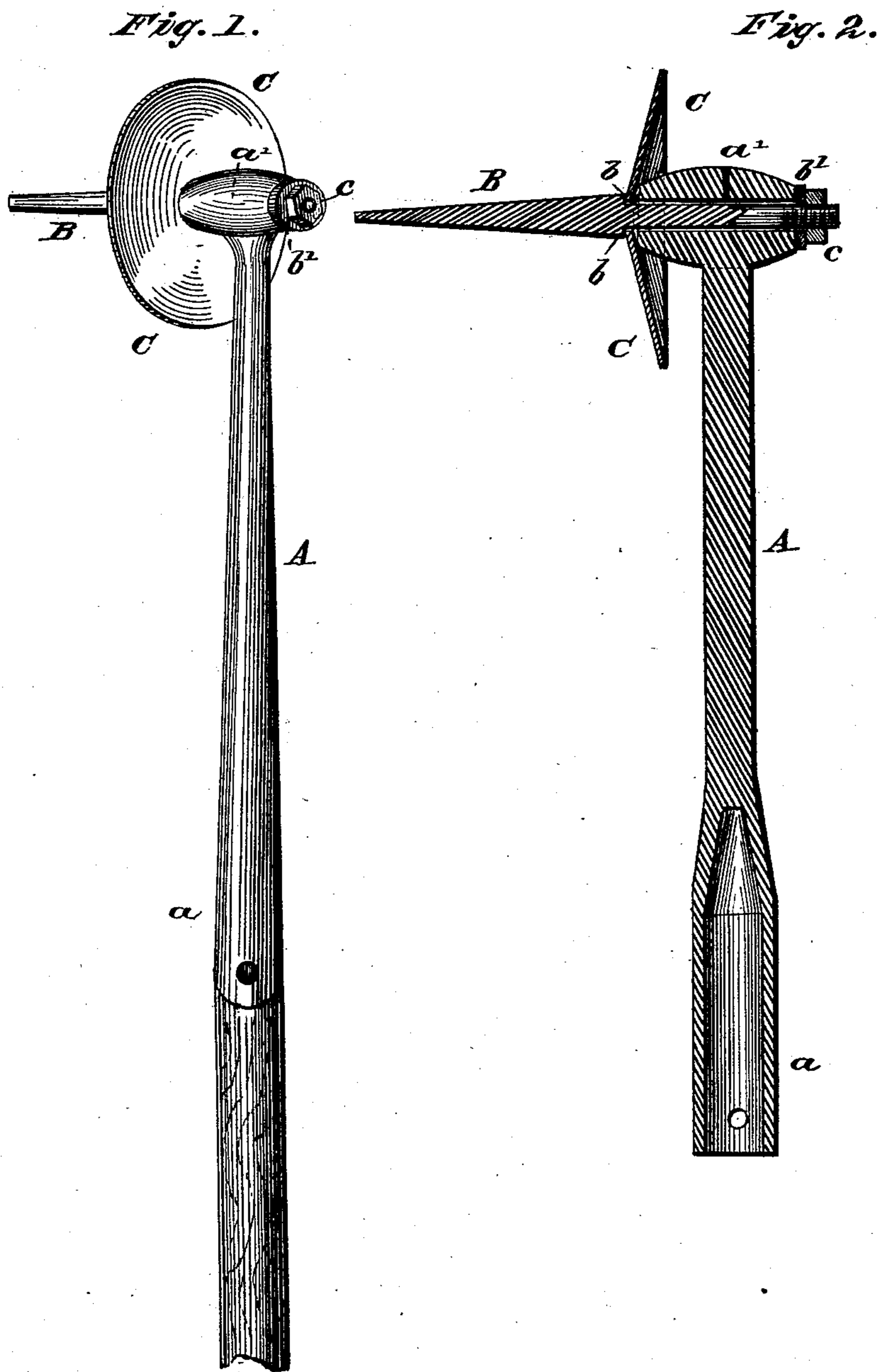


(No Model.)

F. STAPELMANN.
Belt Lifter.

No. 235,970.

Patented Dec. 28, 1880.



Witnesses:
Fred F. Dierich
P. C. Dierich.

Inventor:
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Attorneys

UNITED STATES PATENT OFFICE.

FRANZ STAPELMANN, OF ALLEGHENY, PENNSYLVANIA.

BELT-LIFTER.

SPECIFICATION forming part of Letters Patent No. 235,970, dated December 28, 1880.

Application filed June 2, 1880. (No model.)

To all whom it may concern:

Be it known that I, FRANZ STAPELMANN, a citizen of the United States, residing at Allegheny city, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Belt-Lifters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved belt-lifter, and Fig. 2 is a sectional view of the same.

This invention relates to improvements in devices for lifting or putting belts on their pulleys without risking or hazarding the life or limb of the operator; and it consists of a socketed casting with a right-angled or lateral revolving arm having a revolving flange or disk, substantially as hereinafter more fully set forth.

Referring to the accompanying drawings, A indicates a casting in the form of a short rod or bar, with its inner end provided with a socket, *a*. This socket is designed to receive the end of a staff or handle, which is fastened therein by a pin inserted through a transverse aperture in the rod or casting. The upper end is cast with a transverse eye or hub, *a'*, to receive and form a bearing for the revolving arm. B is the revolving arm, preferably conical on its projecting portion, and having the inner end of its conical projecting portion shouldered, as at *b*, to prevent the disk from moving laterally. That portion of the arm fitting within the socket or hub

a' is of less diameter or thickness than the base of the conical part of the arm, and has a screw-thread on its rear end. A washer, *b'*, may be slipped upon the rear end of the arm, and a nut, *c*, is then screwed thereon against the washer to confine the arm in place, but not so as to prevent it from revolving. C is a flange or disk, preferably with a convex face or outer surface, slipped upon the arm from its rear end against the shoulder *b* previous to the insertion of the reduced portion of the arm into the eye or hub *a'* of the casting A.

To use the device it is grasped by its staff or handle and its arm is inserted under the belt, off its pulley, with its flange C resting against the edge of the belt. The device is then elevated until its arm lifts the belt and brings it upon the pulley, when, by pushing the belt laterally upon the pulley, the belt will be shipped or properly placed upon its pulley. This operation will be accomplished without risking or endangering the life or limb of the operator, as he stands in an isolated position with relation to the pulley and belt during the placing of the belt upon the pulley.

Having thus fully described my invention, I claim and desire to secure by Letters Patent of the United States—

The device for putting belts upon pulleys, consisting of the handled casting A, provided with the revolving arm B, having the revolving disk or flange C, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

FRANZ STAPELMANN.

Witnesses:

W. M. GORMLY,
HENRY FUELLEY.