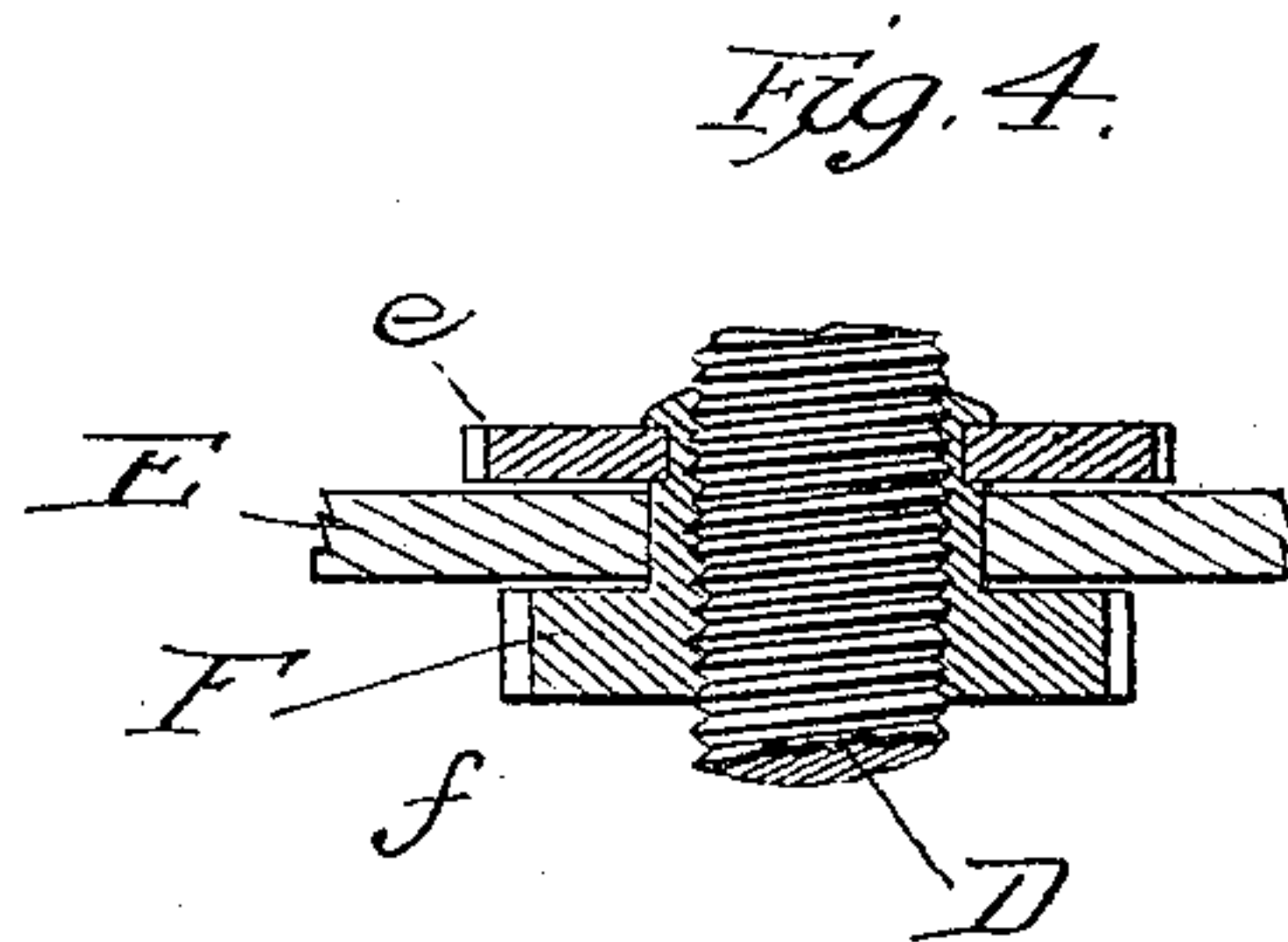
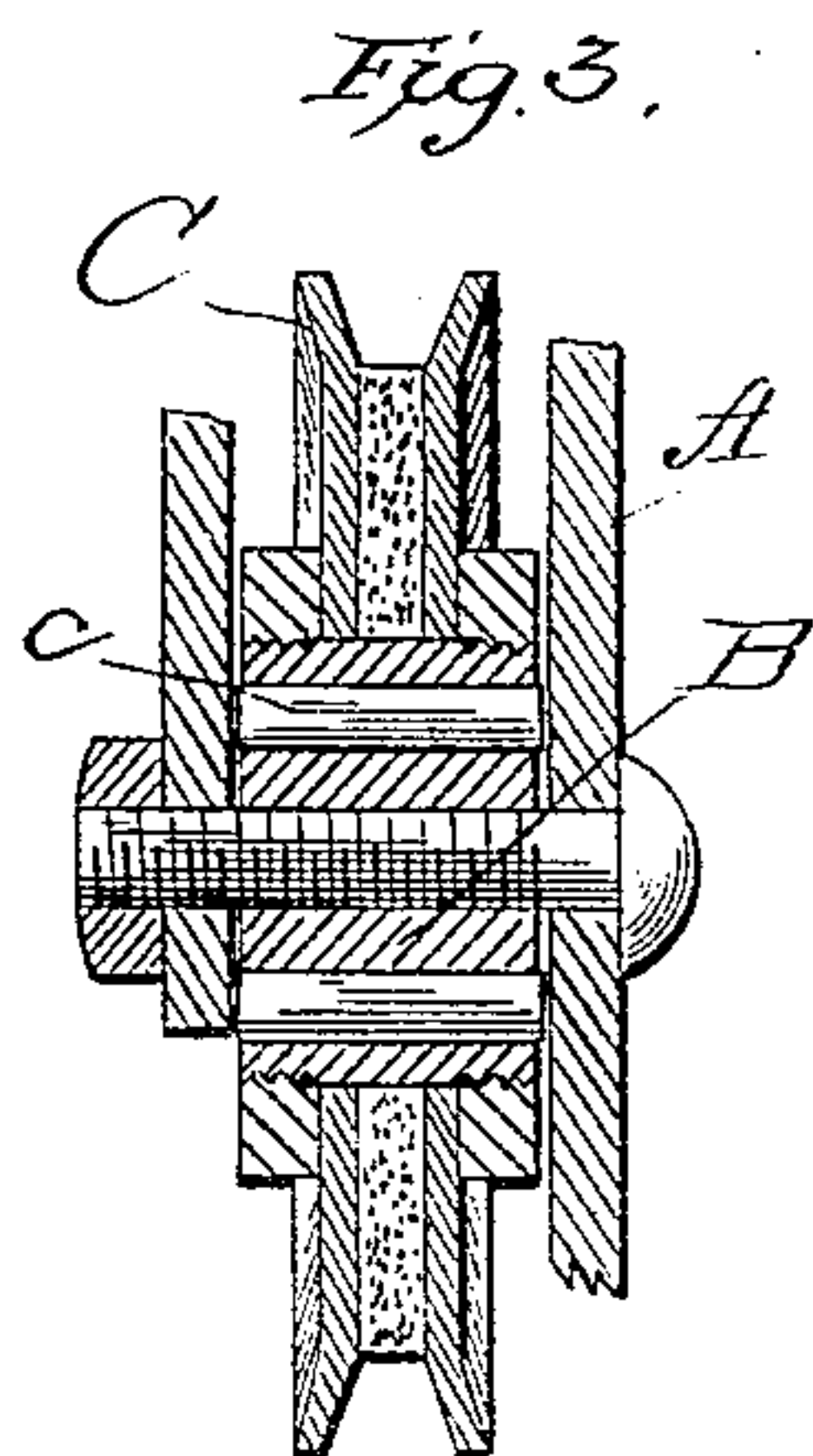
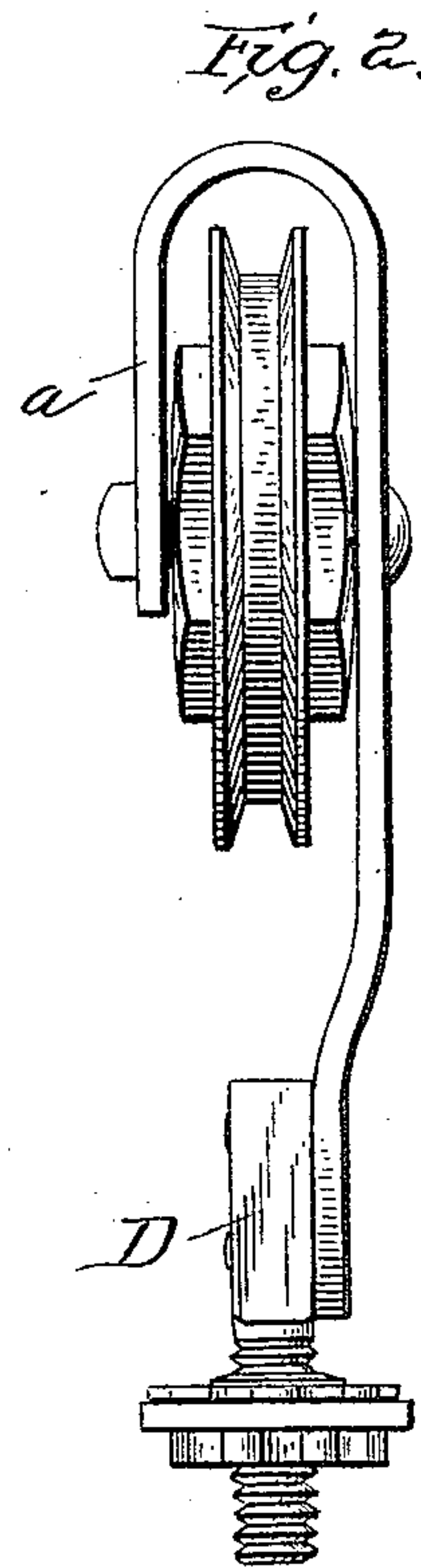
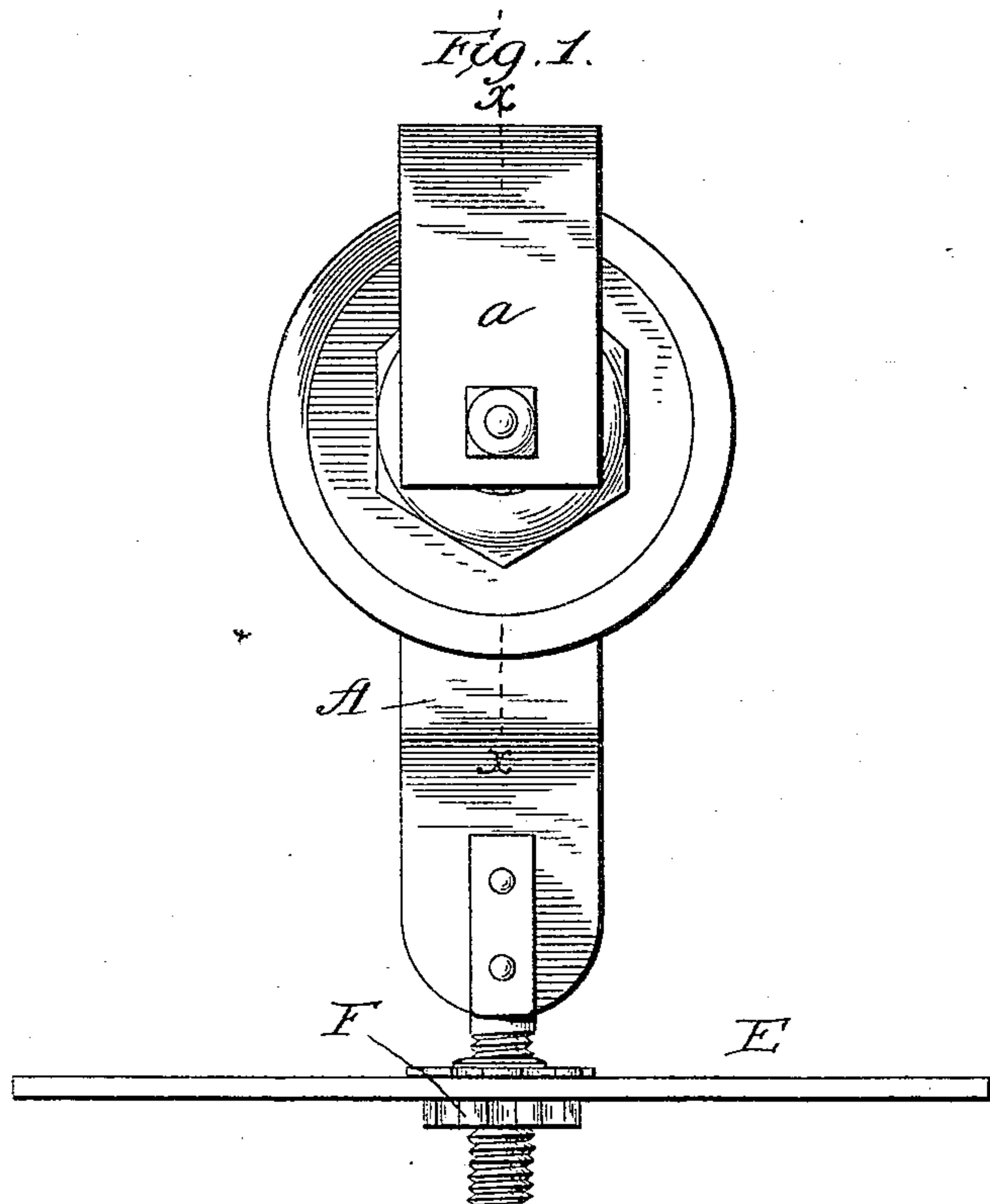


(No Model.)

J. G. & G. LANE.
DOOR HANGER.

No. 529,555.

Patented Nov. 20, 1894.



Attest
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UNITED STATES PATENT OFFICE.

JOHN G. LANE AND GEORGE LANE, OF POUGHKEEPSIE, NEW YORK.

DOOR-HANGER.

SPECIFICATION forming part of Letters Patent No. 529,555, dated November 20, 1894.

Application filed June 9, 1894. Serial No. 514,071. (No model.)

To all whom it may concern:

Be it known that we, JOHN G. LANE and GEORGE LANE, citizens of the United States of America, residing at Poughkeepsie, in the county of Dutchess and State of New York, have invented certain new and useful Improvements in Door-Hangers, of which the following is a specification.

Our invention is an improved door hanger designed more particularly for the sliding doors of houses.

The general object of our efforts in making this invention is to simplify and cheapen the construction; to secure greater convenience of the hanging of the door and to improve the action.

The particular points of advantage gained by our invention are set forth hereinafter in connection with the statements of the special points of construction and combinations included in our invention.

Our invention consists in a door hanger having a threaded stud, with a nut extending through an opening in the base plate, and having its upper end extended laterally above the base plate and provided with a serrated or toothed edge for turning the same.

Our invention is illustrated in the accompanying drawings, in which—

Figure 1, shows the door hanger in side elevation. Fig. 2, shows an edge view of the same. Fig. 3, shows a section on line $x-x$ of Fig. 1. Fig. 4 is a detail view.

In the drawings A indicates the hanger frame. It is composed preferably of a single piece of metal bent over at its upper end to form a downward extension a . Thus we form a bearing on both sides for the sleeve B on which the wheel turns. The wheel C may be of ordinary construction, that shown having a groove fitted to the track. It is provided with anti-friction rollers c surrounding the sleeve, the ends of the rollers being covered by the hanger frame. To the lower end of this frame is riveted a stud D. The upper end of this stud is preferably square and is in the same plane as the wheel and it is arranged so that its upper surface is a little below the under side of the track. It therefore acts as the bumper or stop to prevent the

wheel from jumping the track. The lower end of the stud is threaded and is connected adjustably to a base plate E which is fitted to be attached to the upper edge of the door. This adjustable connection is formed by means of a nut F. We have formed this connection by means of a hollow shank which extends through a hole in the plate E and turns therein on the threaded stud. The nut is formed by upper and lower lateral extensions $e-f$, fixed to the shank. These upper and lower extensions are preferably disks notched to permit the application of a suitable instrument for turning the nut, or they may be of any convenient shape adapted to the purpose. The shank with its upper and lower extensions forms an elongated nut and affords a longer bearing for the stud. The stud being below the center of the wheel, the connection is in the same line. We prefer to allow some play for the plate between the upper and lower extensions of the nut so the door may adapt itself to the hanger automatically. As the hanger is swiveled upon the base plate it may be turned to any required position and each hanger is either right or left as the occasion requires and one form is adapted to all locations.

The nut is preferably formed with the shank integral with one extension, and the other end of the shank is reduced to receive the other extension and is upset to retain it.

We claim—

In a door hanger, a hanger frame, a wheel carried thereby, the base plate, the threaded stud depending from said hanger frame and the nut engaging said stud, said nut extending through an opening in the base plate, the upper end of said nut extending laterally above the base plate and having notches or serrations for turning the same, substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

JOHN G. LANE.
GEORGE LANE.

Witnesses:

G. H. SHERMAN,
J. W. RUST.