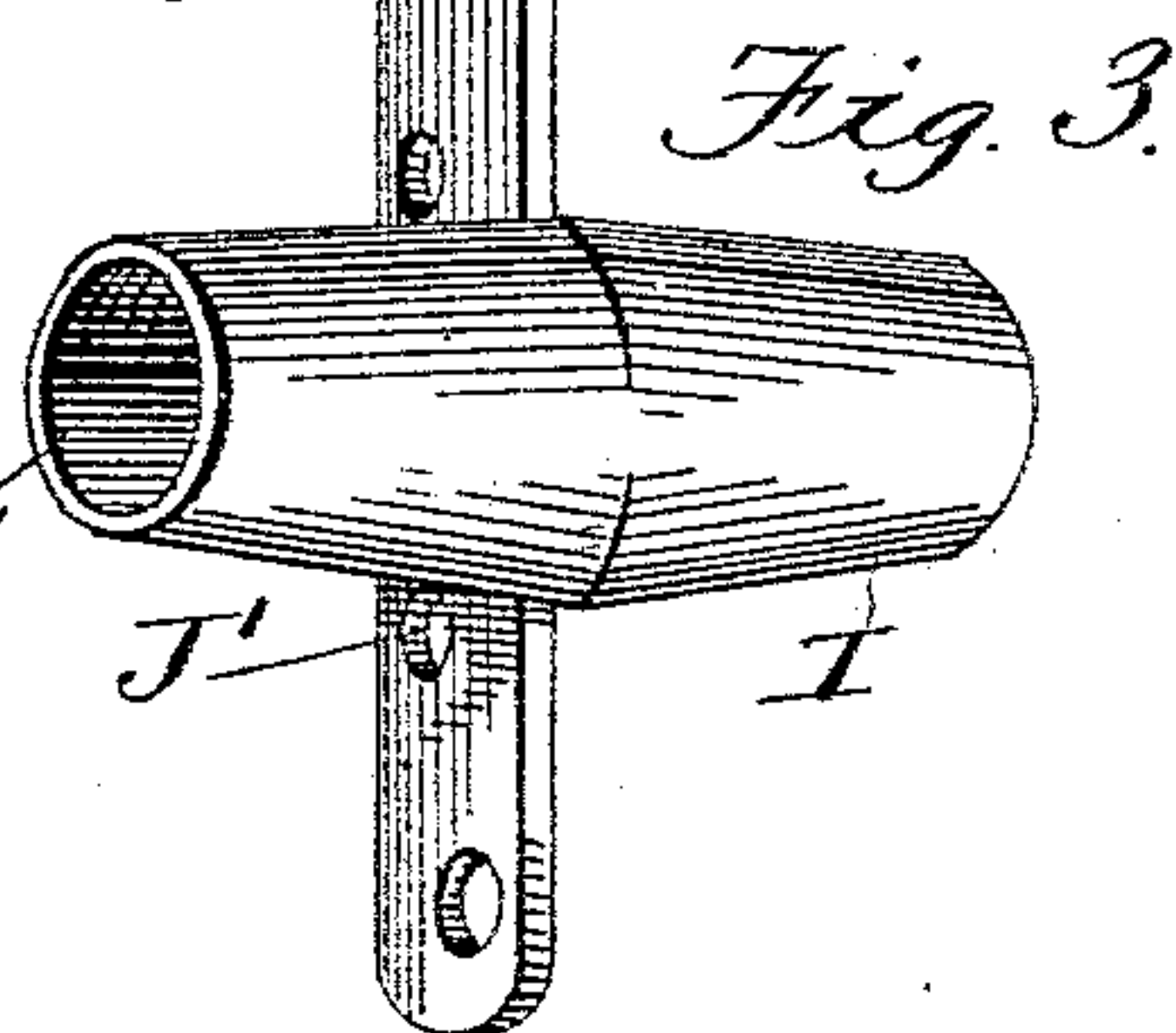
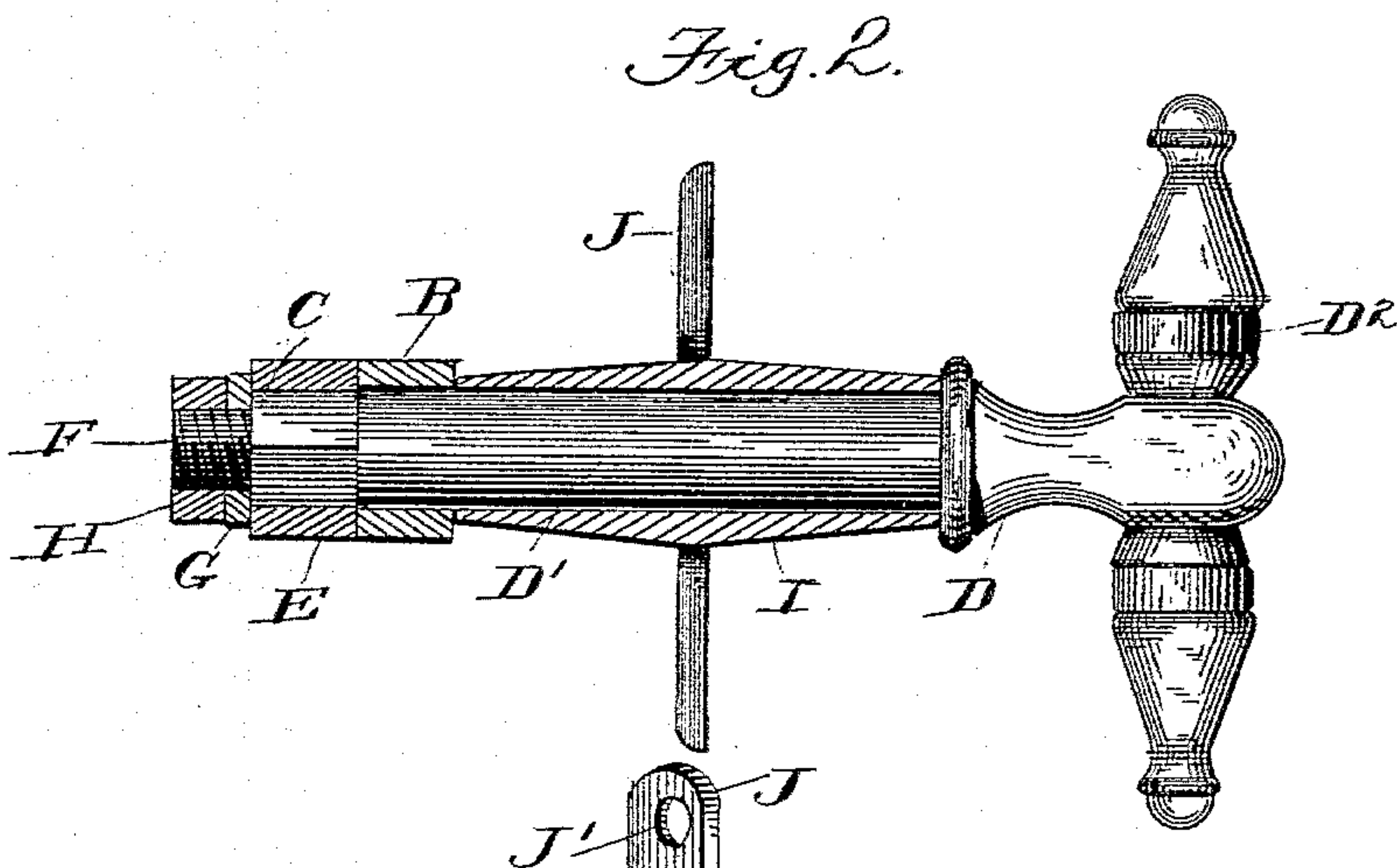
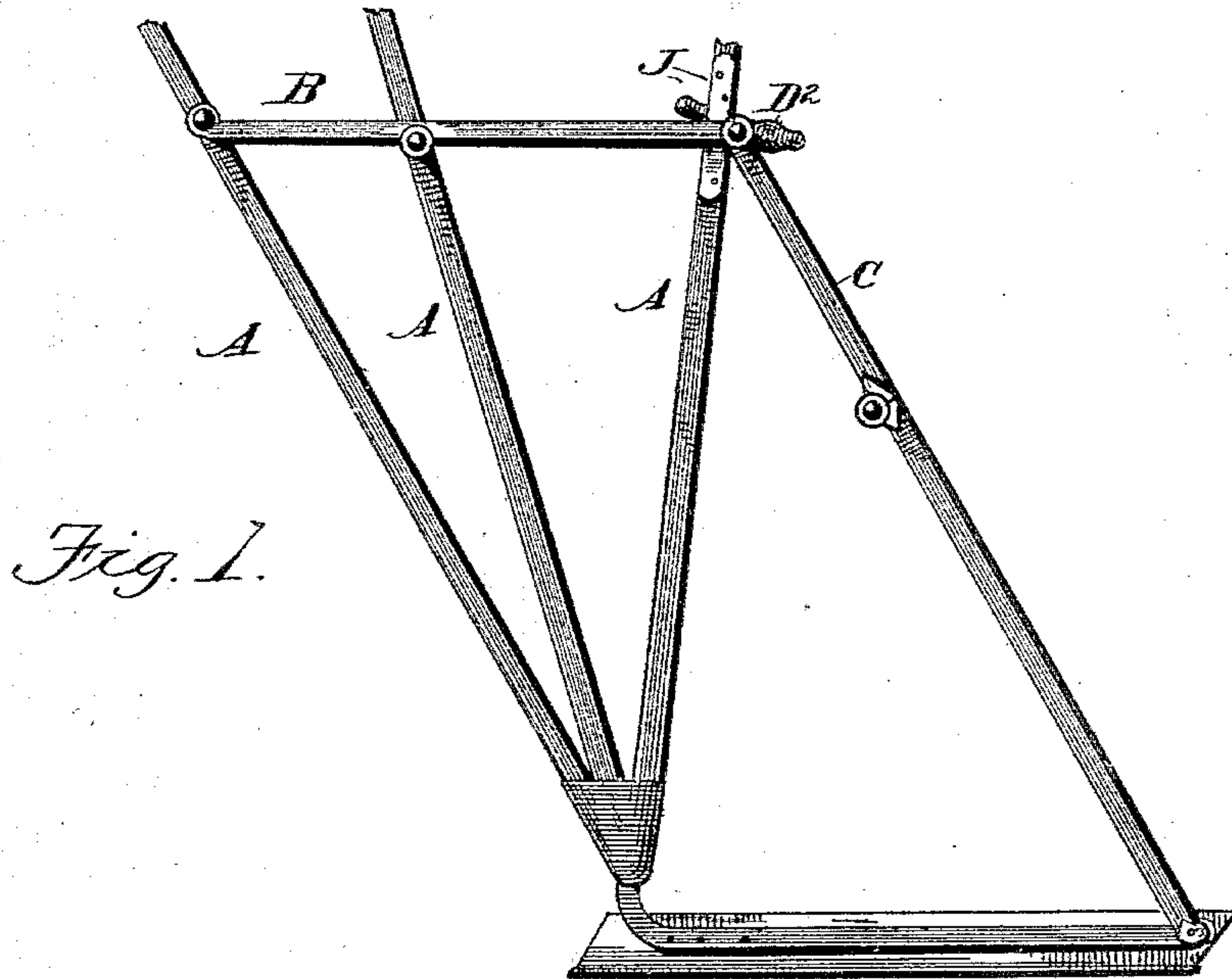


(No Model.)

O. G. STILLMAN.
CARRIAGE TOP SUPPORT.

No. 356,899.

Patented Feb. 1, 1887.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ORSEMUS G. STILLMAN, OF HORNELLSVILLE, NEW YORK.

CARRIAGE-TOP SUPPORT.

SPECIFICATION forming part of Letters Patent No. 356,899, dated February 1, 1887.

Application filed November 20, 1886. Serial No. 219,482. (No model.)

To all whom it may concern:

Be it known that I, ORSEMUS G. STILLMAN, a citizen of the United States, residing at Hornellsville, in the county of Steuben and State of New York, have invented certain new and useful Improvements in Carriage-Top Supports, of which the following is a specification, reference being had to the accompanying drawings.

This invention has relation to carriage-tops, and the object is to provide means whereby they may be raised and lowered from within; and the invention consists in certain features of construction hereinafter described, and specifically pointed out in the claims.

Referring to the drawings, Figure 1 represents a portion of a carriage-top frame in side elevation. Fig. 2 is a detail in section, and Fig. 3 is a detail in perspective.

Like letters indicate like parts in all the figures.

A represents the usual carriage-bows. B represents the usual jointed cross-brace, and C the usual inclined jointed brace.

In carrying out my invention I employ a casting, which by its peculiar construction and adaptation affords the means whereby I accomplish the desired result.

Referring more particularly to Figs. 2 and 3, D represents a casting having the cylindrical body portion D', at one end of which is formed a handle, D², which is preferably cast integral therewith, but which may be formed separate and screwed or otherwise secured thereto, as desired. Near the opposite end of the casting D is formed a square portion, E, which is adapted to fit the square aperture in the upper end of the brace or support C, and the remaining portion of the casting is provided with a screw-thread, as at F, for the reception of a nut and washer, G H. This forms one member of my device.

Adapted to loosely fit upon the body portion D' of the casting D is a cylindrical casting, I, which is formed with the bore I'. Integrally therewith, and at a right angle thereto, is a plate, J, which is provided with screw-holes J'. This casting forms another member of my device.

The plate J being secured to the rear bow A of the frame, as shown in Fig. 1, the rear end of the brace B is mounted on the cylindrical body portion D' of the casting, while the inclined brace C, having the square aperture, is mounted on the square portion E of said casting, when the nut and washer are applied, as shown. It will therefore readily be seen that by the simple turning of the handle D² the top may be raised or lowered at will, as by turning the handle D² the inclined brace C is caused to fold at its joint by reason of its square connection with said handle, and without the necessity of reaching outside of the vehicle for that purpose. By these means I produce a strong, cheap, and practical device, which may be easily manufactured and placed upon any carriage-top at a trifling cost.

I am aware that devices for raising and lowering top carriages from within have been heretofore employed, and I do not broadly claim any device for producing that result; but

What I claim is—

1. The integral casting D, comprising the cylindrical or body portion D', the squared portion E, screw-threaded portion F, having a nut, and the operating-handle D², in combination with the casting I, mounted thereon and consisting of the hollow tubular portion I', and the plate J, mounted at one side and provided with screw-holes J', substantially as specified.

2. The combination of the braces B and C, having the casting D passing therethrough at their joint, with the bow A, and the casting I, bored as at I', mounted on the casting D, and provided with the plate J at one side thereof and secured to the bow and passing to the rear thereof, substantially as specified.

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

ORSEMUS G. STILLMAN.

Witnesses:

W. E. PALMER,
C. W. STEVENS.