

(No Model.)

C. F. SHARPS.
ORGAN STOP ACTION.

No. 321,455.

Patented July 7, 1885.

Fig. 1

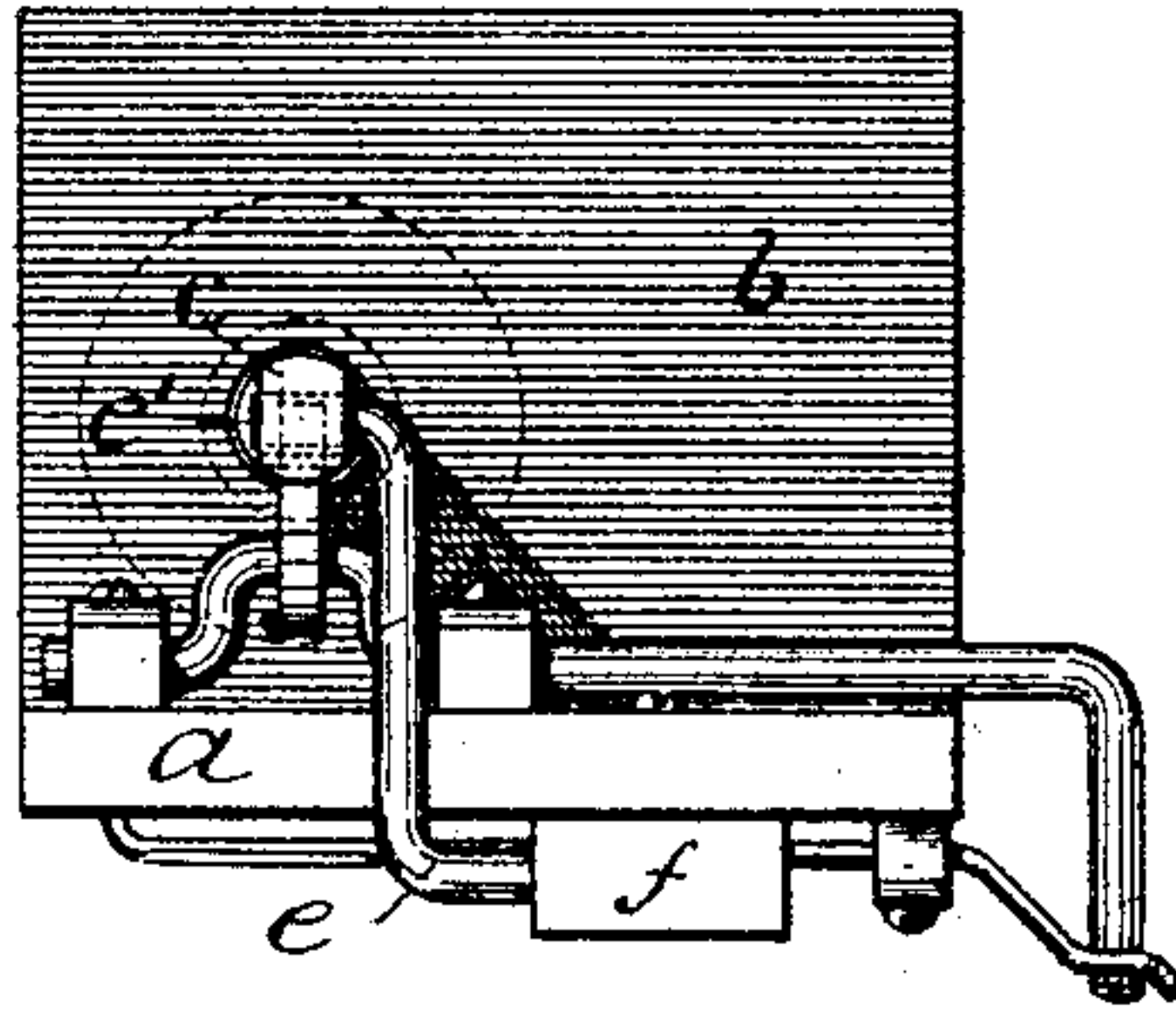
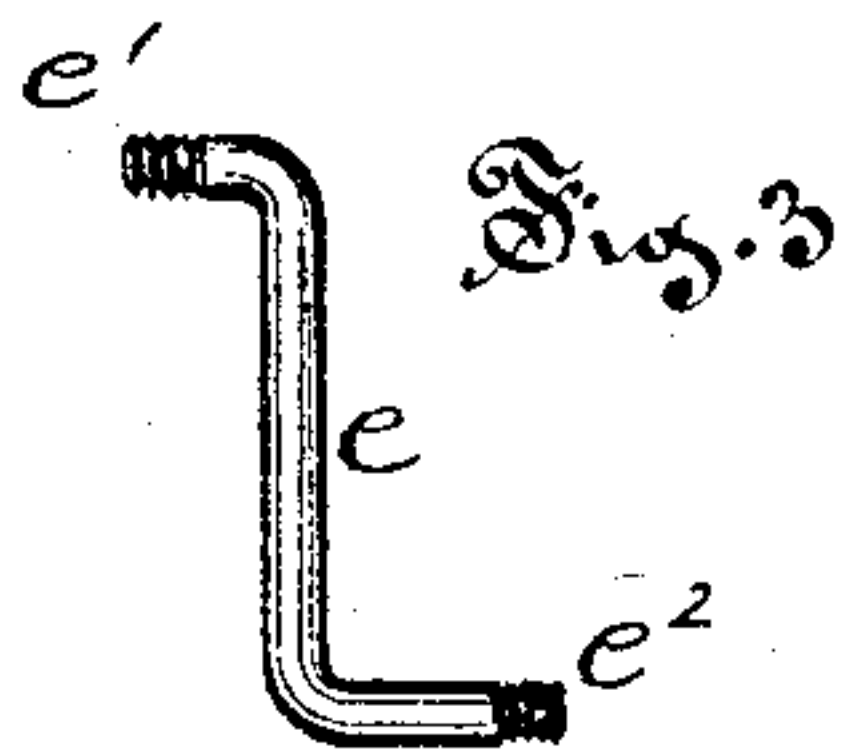
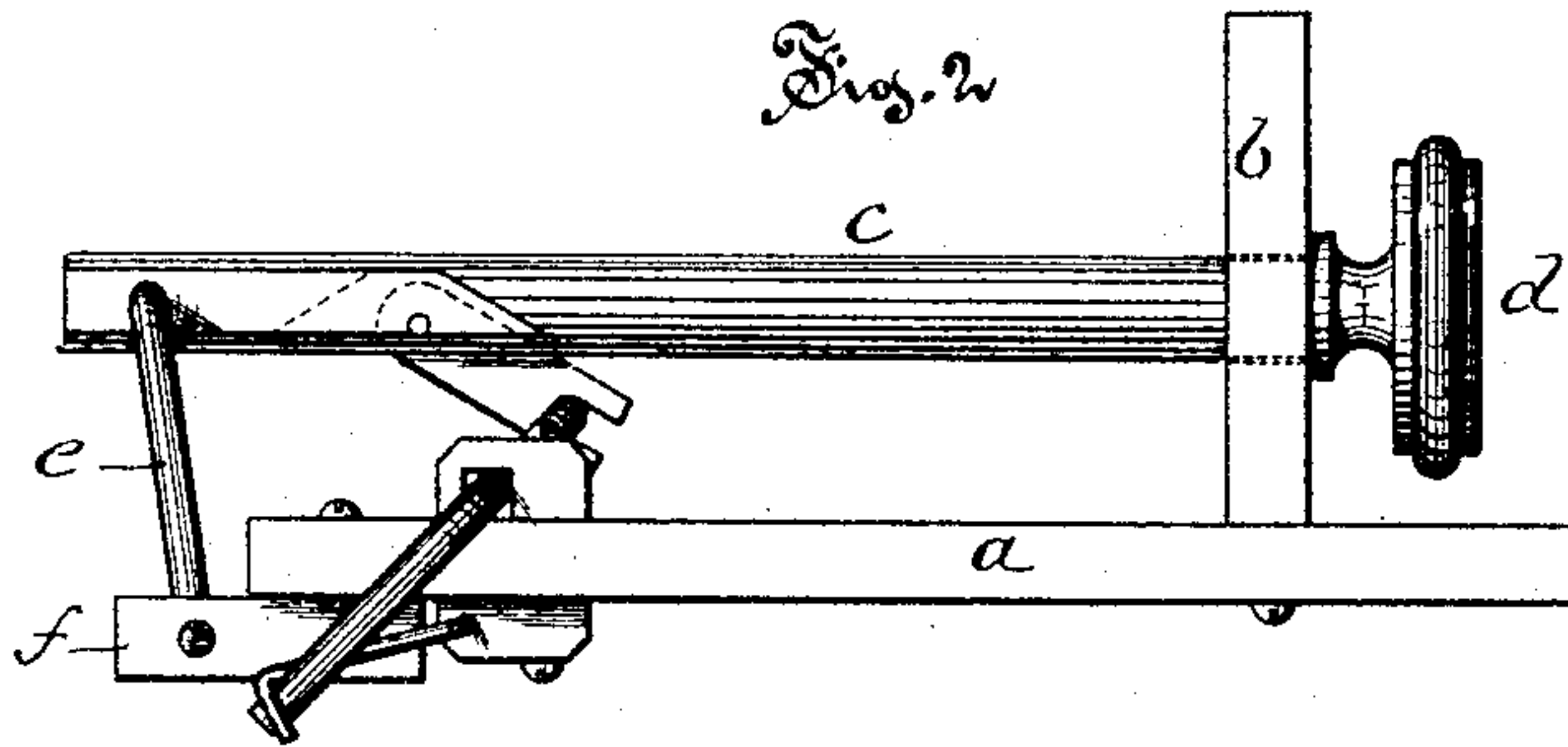


Fig. 2



Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES F. SHARPS, OF MERIDEN, CONNECTICUT.

ORGAN STOP-ACTION

SPECIFICATION forming part of Letters Patent No. 321,455, dated July 7, 1885.

Application filed May 19, 1884 (No model.)

To all whom it may concern:

Be it known that I, CHARLES F. SHARPS, of Meriden, in the county of New Haven and State of Connecticut, have invented certain
5 new and useful Improvements in Organ-Stops, of which the following is a description, reference being had to the accompanying drawings, and to the letters of reference marked thereon, where—

10 Figure 1 is a rear elevation of a stop and so much of the wire-board as is needed to illustrate my improvement. Fig. 2 is a side view of same. Fig. 3 is a detail view of the link.

My invention has for its object the removal
15 of the difficulty and disadvantage incident to the operation of the stops in organs, melodeons, and the like musical instruments; and it consists in the improved means for supporting and guiding the inner end of the stop-rod,
20 and in the combination of the parts, as more particularly hereinafter described.

In the accompanying drawings, the letter *a* denotes the wire-board; *b*, the name-board attached to the former in the usual manner and position; *c*, a stop-rod; *d*, a knob fixed to the outer
25 end of the stop-rod, which has a shoulder which, by contact with the name-board, limits the inward play of the rod; *e*, a link, preferably of metal—as wire—bent to the desired shape,
30 and pivotally connected to the inner end of the stop-rod *c*, and at its lower end to a cleat, *f*, attached to the wire-board.

When made in the form shown in the drawings, the arms *e'* *e''* of the link are threaded,
35 (see Fig. 3,) and the link is placed as follows:

One arm, as *e'*, is screwed into a threaded socket in the inner end of the stop-rod, and the cleat *f*, after being screwed upon the arm *e''* of the link, is secured—as by means of a screw, or in any other convenient manner—to
40 the wire-board *a*, as shown.

The former method of supporting the stop-rod was in sockets cut in the name-board and in a socket-piece fixed along the back end of the wire-board. This method of attachment
45 caused the rod to stick and squeak when operated, and to turn sidewise upon its axis.

By means of my improvement the stop-rod is held against rotation, and works freely and noiselessly, and the threaded ends of the link
50 serve to prevent it from working out of its bearings in the stop-rod and cleat. It is evident that this link may be varied in form and material without substantial change in my invention.

I claim as my invention—

1. In an organ stop mechanism, in combination, a name-board, a stop-rod, a link having parallel and threaded arms, one of which is socketed in the inner end of the stop-rod,
60 and the other in the link-support, and the link-support, all substantially as described.

2. In combination, in an organ stop mechanism, a stop-rod, *c*, link *e*, with threaded ends *e'* *e''*, and a link-support, *f*, all substantially as
65 described.

CHARLES F. SHARPS.

Witnesses:

GEORGE E. BOOTH,
JOHN E. DURAND.