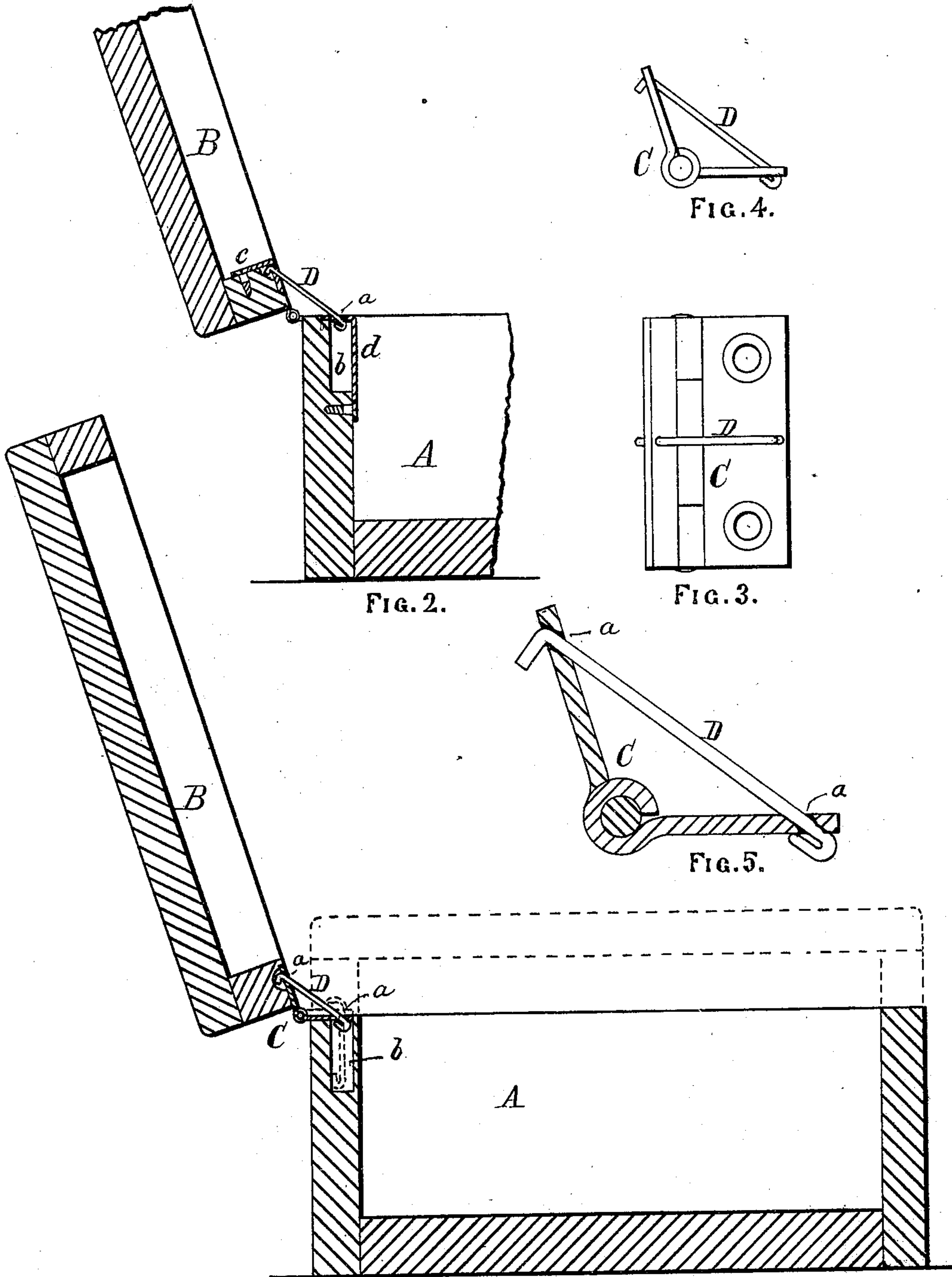


J. M. STROUT.
TRUNK STAY.

No. 177,082.

Patented May 9, 1876.



WITNESSES.

Wm. B. Edwards

E. A. Hemmenway

FIG. 1.

INVENTOR.

Jesse M. Strout
by his attorney
N. B. Lombard

UNITED STATES PATENT OFFICE.

JESSE M. STROUT, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN TRUNK-STAYS.

Specification forming part of Letters Patent No. **177,082**, dated May 9, 1876; application filed March 9, 1876.

To all whom it may concern:

Be it known that I, JESSE M. STROUT, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Stop for Limiting the Movement of a Box, Trunk, or Chest Lid, of which the following, taken in connection with the accompanying drawings, is a specification:

My invention has for its object the production of a cheap and effective stop to be applied to trunks, chests, work-boxes, and other like articles, for the purpose of limiting the motion of the lids thereof and retaining them in a position tipped a little back of a perpendicular; and it consists of a simple piece of wire, of suitable length, passed through oblique holes formed in the inner edges of the two leaves of the butt-hinge, by which the lid is pivoted to the body of the box, trunk, or chest, or through two plates of metal, one of which is secured to the lid, and the other to the body of the box, trunk, or chest, independently of the hinge, and having its two ends bent up so as to form on each end thereof a head or shoulder, to prevent it from being drawn out of the hole in said hinge or plate, without being rigidly attached to either, as will be further described:

Figure 1 of the drawings is a vertical transverse section of a work-box, showing my improved stop applied to the hinge. Fig. 2 is a partial section, showing the same stop applied independently of the hinge. Figs. 3 and 4 are, respectively, a plan and an end view of a butt-hinge, having my improved stop applied thereto; and Fig. 5 is a transverse section of the same hinge enlarged.

A is the body of a box, and B the lid attached thereto by the butt-hinge C. The hinge C is constructed and applied in the usual manner, except that in each leaf, near its inner edge, is drilled an oblique hole, *a a*, through which is passed the stop D, made from a piece of straight wire, cut to the proper length, and having its ends bent, as shown,

to limit the movement of the lid, and hold it in a position slightly inclined from a perpendicular. One end of the stop D is bent at right angles only to the main body thereof, and the holes in the hinge or plates are so made that the stop-rod may be inserted or removed at will when the hinge or plates are detached. When the lid is closed the stop D depends from the hinge C, within the recess *b*, formed for the purpose in the back wall of the box A, as shown in dotted lines in Fig. 1.

The stop D may be applied independently of the hinge, as shown in Fig. 2, where the lid is hung with an ordinary butt-hinge in the usual manner, and the stop D is applied in connection with two special metal plates, *c* and *d*, one of which is secured to the body of the box, and the other to the lid, as shown.

I am aware that a curved arm or quadrant, secured rigidly at one end to the lid, and adapted to move in a curved slot cut in the end piece of the body of the box or chest, has been used before, and, therefore, I do not claim such a device, or, broadly, a stop-rod adapted to slide into a recess in the body of the box when the lid is closed; but

What I claim, and desire to secure by Letters Patent of the United States, is—

1. The stop D, constructed as set forth, in combination with an ordinary butt-hinge, through each leaf of which it passes freely, all adapted to operate as and for the purposes described.

2. The stop D, constructed as set forth, in combination with the plates *c* and *d*, attached one to body of the trunk and the other to the lid, through each of which plates it passes freely, all adapted to operate as and for the purposes described.

Executed at Boston this 24th day of February, 1876.

JESSE M. STROUT.

Witnesses:

N. C. LOMBARD,
A. LEAVITT.