

A. D. Smith,

Trunk.

No. 96843.

Patented Nov. 16. 1869.

Fig. 1.

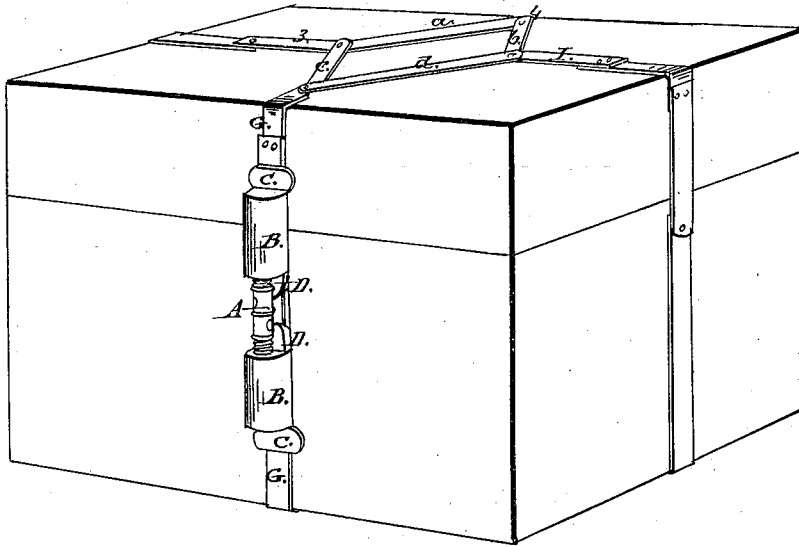
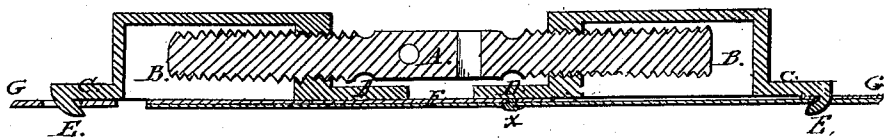


Fig. 2.



Witnesses:

C. F. Redham

W. A. Cunningham

Inventor:

A. D. Smith

United States Patent Office.

A. D. SMITH, OF GRAFTON, ASSIGNOR TO DAVID ROSE, OF RAWSON-VILLE, OHIO.

Letters Patent No. 96,843, dated November 16. 1869.

IMPROVED TRUNK-TIE AND CLASP.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, A. D. SMITH, of Grafton, Lorain county, in the State of Ohio, have invented a new and improved Trunk-Tie and Clasp; and I do hereby declare the following to be a full and exact description thereof, reference being had to the annexed drawings, and to the letters of reference marked thereon, in which—

Figure 1, a perspective of jointed-tie part.

Figure 2 is a sectional view of the clasp part.

The nature of this invention relates to a trunk-tie, arranged with joints, in such a way that one part of it passes around the end of the trunk, and the other around the sides, giving it a diamond-shape on one of the sides; or a single one may be used, and only pass around the sides or ends, and then made fast with an adjustable screw-clasp, which is so arranged as to be readily adjusted on a fixed or adjustable single or double tie.

To enable others skilled in the art to make and use my said improvement, I will describe its construction and operation.

The screw A, I usually make from three-eighths round iron, and four inches long, with a screw-thread cut on either end, the one being right and the other left-handed, and are then fitted to screw-cases B, which are one inch and a half long, and half round, with flat projecting ears C D, one on either end, in which C is the outer, and D the inner ends, when in use. On the bottom of the ear C is placed a catch-hook, E, inclined toward ear D.

On the screw-case B is placed a guide and spring-latch, F, secured by a rivet, x, on the bottom and inner end of the ear D, and extends to the catch E of the other case B, when screwed up so that the ears D come together, and is a guard to prevent it from turning, and thus keeps an equal amount of the screw A in the cases B.

The latch F also extends to and beyond the catch E, on the ear C of the case B, to which it is secured, the catch E passing through the aperture made in the latch F, and extending far enough through the latch

F to be used without reference to it; but I would usually attach it to the upper end of the tie-strap G, by passing the end of the strap between the latch F and ear C, until the spring-latch F forces the catch-hook E through a hole in and near the end of the tie-strap G, when the catch-hook E, on the other screw-case B, may be passed into a hole made at a convenient point in and through the lower end of the strap G, when a few turns of the screw A will draw the strap G as tight as desired, or a few turns back will release it again, without releasing the screw A from its bearing in the screw-cases B B, or equivalents.

The tie-part, fig. 1, is the best when made from sheet-metal, and provided with parts A B C D, which are of equal length, from eight to ten inches, and are joined to straps 1, 2, 3, 4, by means of rivets x x x x.

Its operation is as follows:

The straps 1 and 3 are secured around the trunk lengthwise, and the straps 2 and 4 around the sides, and are drawn together by the clasp part, fig. 2, which also draws the straps 1 and 3 together, by drawing 2 and 4 together with the clasp, and as soon as the straps 2 and 4 are let loose, by the clasp-yielding joints x x x x, prevents the trunk from being opened without otherwise loosening straps 1 and 3.

Having described my invention,

What I claim to be new, and desire to secure by Letters Patent, is—

1. The combination, in a trunk-tie, of straps 1, 2, 3, 4, and bands A B C D, joined together in any suitable manner, substantially as described and for the purpose set forth.

2. In combination with a trunk and tie, the adjustable screw-clasp, constructed substantially as described and for the purpose set forth.

3. The combination of said clasp with the trunk-tie strap G, substantially as described and for the purpose herein shown and set forth.

A. D. SMITH.

Witnesses:

W. H. CUNNINGHAM,
G. F. PECKHAM.