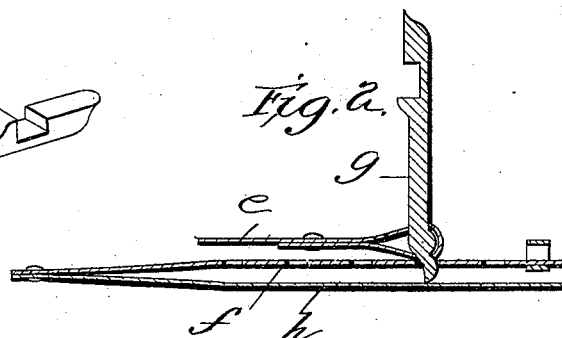
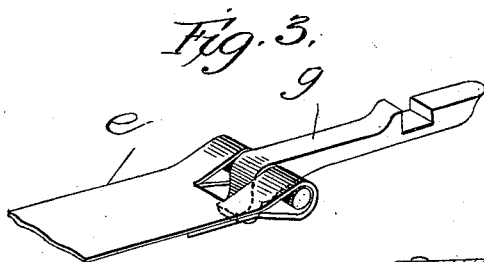
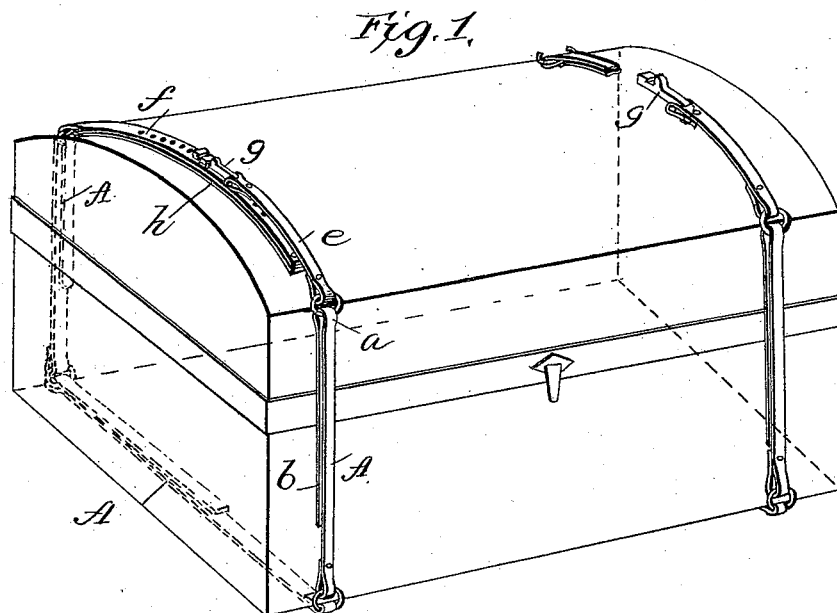


(No Model.)

E. R. BULE.
TRUNK STRAP.

No. 494,459.

Patented Mar. 28, 1893.



Attest
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ATTY.

UNITED STATES PATENT OFFICE.

EDWARD ROBERT BULE, OF OGDEN, UTAH TERRITORY.

TRUNK-STRAP.

SPECIFICATION forming part of Letters Patent No. 494,459, dated March 28, 1893.

Application filed May 2, 1892. Serial No. 431,395. (No model.)

To all whom it may concern:

Be it known that I, EDWARD ROBERT BULE, a citizen of the United States of America, residing at Ogden, in the county of Weber and Territory of Utah, have invented certain new and useful Improvements in Trunk-Straps, of which the following is a specification.

My invention is an improved trunk strap and fastening device therefor and relates to that class of straps which encircle the trunk at the ends thereof being preferably composed of metal so as to hold the parts of the trunk together, and at the same time serve to protect the trunk from compression.

My invention consists of a series of metal straps loosely joined together, said straps being of looped form with their free ends folded down on the main portion of each strap, whereby the said straps are readily adjustable to different sizes of trunks with suitable fastening devices for holding the straps together and locking them in place around the trunk.

The invention further consists of a series of straps loosely connected together with two locking straps connecting the sections, one of said straps carrying a locking device, while the other is provided with a series of openings adapted to engage the locking device.

In the accompanying drawings: Figure 1 represents a trunk with my improved device applied thereto. Fig. 2 shows in detail the series of straps or sections detached from the trunk, with the locking lever. Fig. 3 is a detail view of the locking lever.

In the figures I have represented at A three straps or sections which consist of a simple strap of flexible metal having an eye at one end and with its free end folded over upon itself, the free end from this point *a* being but slightly shorter in its normal position than the main part of the strap. This free end is represented at *b*. There are three of these sections and they are connected together by links which engage the eyes made by turning over one end of the strap and riveting the turned over end in place, or by slipping the link over the free end of the strap down to the point where it is bent as at *a*.

It will be seen that by providing a long overlapping portion any adjustment can be secured and the device may be used upon trunks which vary greatly in size, as it is only nec-

essary for a larger trunk to draw out the sections and bend them nearly to the free ends. Three sections are arranged in this way and the two vertical sections are connected at their upper ends by two straps *e, f*, both straps *e, f*, having a link connection with the vertical straps as before described. The strap *e* is a single strap and carries upon its end a locking lever *g* which is pivoted in the bifurcated end of said strap. It has a projecting stud upon its front end which stud is adapted to engage any one of a series of notches provided in the strap *f*. As the stud which engages the notches is in advance of the pivot of the lever it will be seen that by forcing the long arm of the lever over to the right as in Fig. 2, the straps *e, f*, will be drawn closely together and a tension placed upon all the sections. With the locking lever in its horizontal position parallel with the face of the strap *f* it is secured by slipping a band over it to engage its notched end, and this band may be prevented from being removed by passing the pad-lock to an opening in the end of the lever and securely locking the same thereto.

In order to prevent the surface of the trunk from being injured or scratched by the stud of the locking lever coming in contact therewith through the openings in the said strap I have provided a protecting strip extending beneath the strap *f* being riveted thereto at its end, and thus this strip *h* receives the pressure of the stud and protects the surface of the trunk.

It will be understood that any number of these straps may be used as may be found necessary, but in the drawings I have shown but two.

I claim as my invention—

1. In combination with a trunk, a combined strap and brace formed of three sections, each section consisting of a strap having one end secured to a ring and its other end passing through the ring of the adjacent section and doubled back on itself, and fastening means consisting of a short strap connected to the ring upon one end and carrying a pivoted lever, and a double strap secured to the ring upon the other end, the upper portion of said double strap having a series of perforations adapted to be engaged by the end of the lever, substantially as described.

2. A trunk strap including a portion A to pass partially about the trunk, a section secured upon one end carrying a pivoted lever and a section carried upon the other end consisting of a double strap having its ends secured together and its looped portion passing through a ring on the part A, and perforations in the upper half of the double strap adapted to be engaged by the end of the lever, the lower half serving to protect the trunk from the point of the lever, substantially as described.

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

EDWARD ROBERT BULE.

Witnesses:

E. P. BLICKENSDECKER,
CARL NILSSON.