

B. K. DEAL.
TRUNK ROPER.
APPLICATION FILED JAN. 6, 1911.

1,011,326.

Patented Dec. 12, 1911.

Fig. 1.

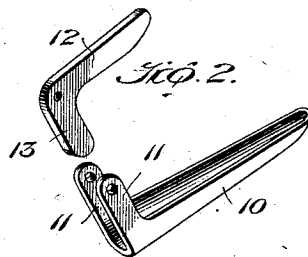
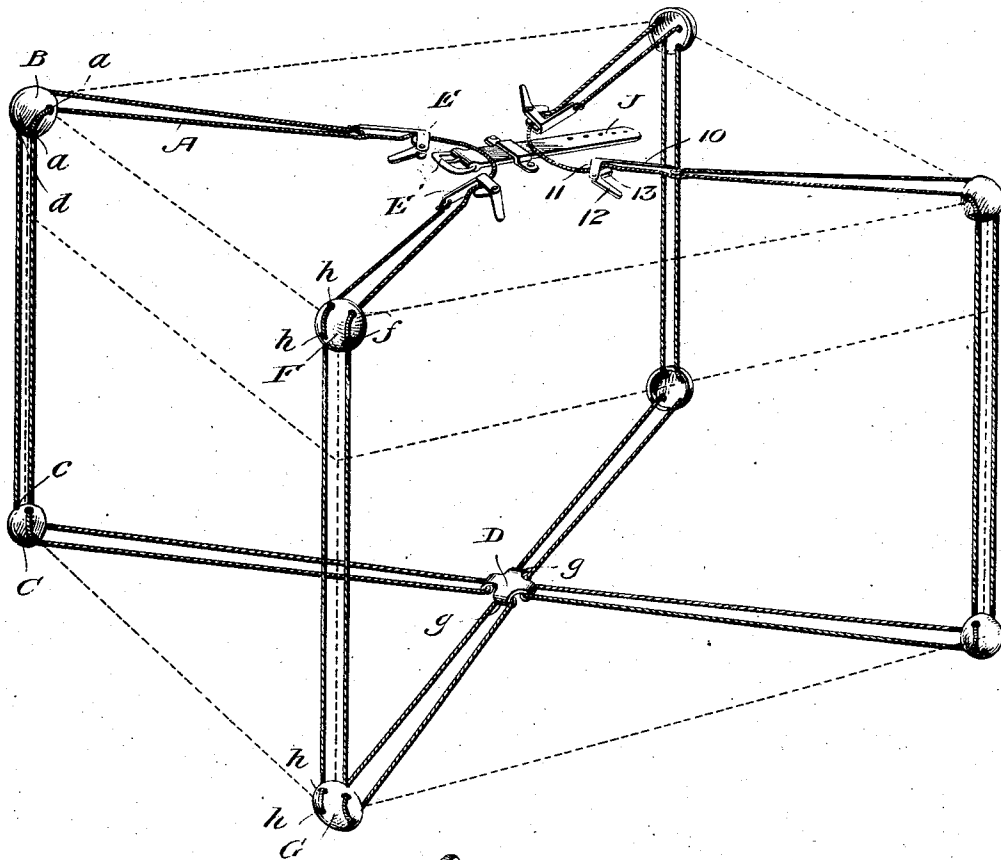
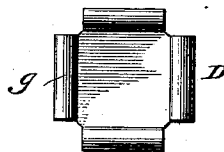


Fig. 3.



Witnesses
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TRUNK-ROPER.

1,011,326.

Specification of Letters Patent.

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Application filed January 6, 1911. Serial No. 601,206.

To all whom it may concern:

Be it known that I, BALTZER KRAMER DEAL, a citizen of the United States, residing at Medford, in the county of Jackson and State of Oregon, have invented certain new and useful Improvements in Trunk-Ropers, of which the following is a specification.

This invention relates to fastening means and particularly to what is commonly known as a trunk harness, the same comprehending a flexible medium, as a rope, adapted to be passed around the ends, sides and top and bottom of the trunk and to be secured in position on the trunk to thereby protect and strengthen said trunk.

To this end, my invention consists of the constructions, arrangements and combinations of parts which I will hereinafter describe and claim.

In the accompanying drawings forming a part of this specification and in which similar reference characters indicate like parts in the several views; Figure 1 is a perspective view of a trunk harness embodying the salient features of my invention, the trunk being shown in dotted lines. Fig. 2 is an enlarged view of one of the clamps. Fig. 3 is an enlarged view of the bottom connecting plate.

In the accompanying drawings I have shown the harness as comprising suitable flexible connections in the form of ropes or other mediums and suitable clamps by which the free end of the ropes may be secured after the harness has been brought to the proper tension around the trunk. The flexible connection shown in Fig. 1 consists of similarly arranged ropes, A, each of which has one end secured to the fixed member of a clamp and is thence passed through appropriate eyes or loops, a, formed on a corner piece, B, at the upper corner of the trunk, the rope thence extending through eyes or loops in a cup-shaped piece, C, at the lower corner of the trunk to and through loops or guides in a connecting piece, D, and which piece underlies the central bottom portion of the trunk. From the connecting piece, D, the rope is returned substantially upon itself passing through appropriate eyes or loops, c, d, on the said upper and lower corner pieces, B, C, and which pieces are preferably made of heavy sole leather of a substantially cup-shape, and thence extended toward the center of

the trunk and past the fixed end of the rope, and through the clamp, E, between the fixed and movable members thereof, and thence its course is diverted and said rope thence extends through a corresponding clamp E' between the fixed and movable parts thereof, and through suitable eyes, f, formed in a cup-shaped piece, F, disposed at another upper corner of the trunk and thence downwardly to a corner piece, G, at the lower corner of the trunk, and through eyes thereon; from this point the rope passes to the center piece, D, and through the guides or loops, g, thereon and is returned through loops or eyes, h, in the lower and upper corner pieces, G and F, respectively to the top of the trunk and has its free end secured to the fixed portion of another of the clamping levers, E', as shown in Fig. 1. A similar arrangement of rope, corner pieces and levers is used at the other end of the trunk. Each of the clamps consists of a fixed member, 10, having an eye at one end to receive one end of the aforesaid rope or other flexible connection; at the other end of this clamp there are two projecting ears, 11, between which is pivotally secured the movable jaw or clamping member, 12, a short arm, 13, which is adapted to bind or pinch the portion of the rope or connection which passes between said short-arm and the fixed member, 10, of the clamp, to thereby hold the harness after it has been drawn to the proper tension around the trunk, but which movable clamping member may be raised out of its gripping engagement with the rope by turning said member about its pivot, whereby the tension of the rope may be regulated or adjusted as occasion requires by tightening or relaxing the rope and which rope has a running connection in the loops through which it passes.

The rope and arrangement of clamping levers at opposite sides of the trunk are substantially alike, and that portion of the rope which extends from one clamping lever to another of the same connection, is designed to be embraced by a strap, J, having an appropriate buckle, by which the strap may be adjusted to draw the flexible connections to an effective binding position, this operation occurring when the strap is made to tightly bind the contiguous portions of the two sets of ropes, as shown in Fig. 1.

After adjusting the harness to the trunk,

the latter will be firmly secured; the harness may be readily applied and released and when in place it serves as a protection to the trunk.

5 Having thus described my invention what I claim as new and desire to secure by Letters Patent is:—

10 An improved trunk harness, consisting of a central connecting member adapted to lie against the bottom of the trunk having loops at its ends, a pair of ropes, one for each end of the trunk, each of said ropes having two looped portions formed intermediate of its ends and adapted to be arranged diagonally
15 to each other, each of said looped portions slidably connected with one of the loops of said connecting member, corner pieces through which the members of each loop

pass in parallel relation, a pair of two-part clamps for each of the ropes, each end of the rope being connected to one member of each of the pair of clamps and the intermediate portion of said rope being extended loosely between the members of each pair of clamps so as to be gripped therebetween, 25 and a securing member for coupling the said intermediate portions of the two ropes and engaging the same between the respective pairs of clamps.

In testimony whereof I affix my signature 30 in presence of two witnesses.

BALTZER KRAMER DEAL.

Witnesses:

M. C. SHOTWELL,
W. E. PHIPPS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."