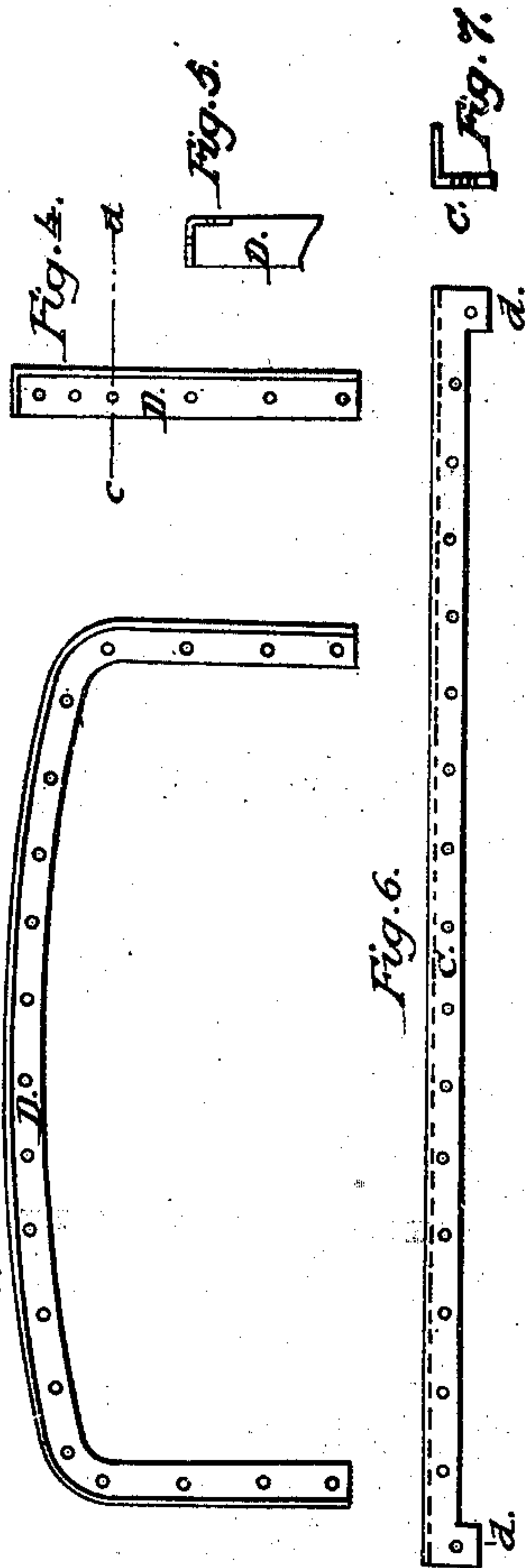


Patented May 18, 1869.



Inventor:
Chester D. Lynd
Stephen Westick
Atty.

United States Patent Office.

CHESTER D. FLYNT, OF PHILADELPHIA, PENNSYLVANIA. #

Letters Patent No. 90,088, dated May 18, 1869.

IMPROVEMENT IN TRUNKS.

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, CHESTER D. FLYNT, of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Trunks; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention mainly consists in the construction of trunk-frames or boxes, in cushion-form, of steel strips, which are woven together, to form lattice-work, the ends, at the line of junction of the lid with the lower part of the trunk, being confined, by means of rivets, or otherwise, to longitudinal strips, in any suitable manner.

It also consists in the use of angle metallic strips, in connection with the woven fabric, at said joint, to give strength and stiffness to both the lower and upper frames.

It further consists in the combination of angle metallic strips, with the lattice-work around the end of the frames, on their corners, to impart additional strength thereto.

The object of the improvement is the attainment of the greatest possible strength, with the least weight of material in the frames, and making them indestructible, not liable to be cut through or broken by evil-disposed persons.

The frames are covered with leather, to have the appearance of ordinary trunks.

The peculiar construction and arrangement of the parts of the frames will be understood by the following description.

In the accompanying drawings, which make a part of this specification—

Figure 1 is a plan of the improved trunk-frame.

Figure 2 is a cross-section, at the line *a b* of fig. 1.

Figures 3 and 4 are views, at right angles with each other, of one of the angle-strips *D*.

Figure 5 is a cross-section at the line *c d* of fig. 4.

Figures 6 and 7 are, respectively, a face and end views of one of the angle-strips *C*.

Like letters in all the figures indicate the same parts.

A is the bottom part of the trunk-frame, and

B the lid, or upper part of the same.

I construct each part of horizontal strips *a*, and cross-strips *b*, which I weave together, to form lattice-work, as represented in figs. 2 and 3.

In order to give the greatest degree of strength, with the least requisite weight of material, I usually take crinoline-steel strips, varying the thickness to the strength required, of different sizes of trunks, or else

vary their relative capacity of resistance, by the size of the openings of the lattice-work.

The frames *A* and *B*, I construct on forms, of the proper size and dimensions, for different sizes of trunks.

After the lattice-work is woven, I usually confine the ends of the strips *a b*, to strips of angle-iron, by means of rivets.

One of the horizontal strips, *C*, is shown in detail, in figs. 6 and 7, which has projections, *d*, at its ends, to give increased strength at the point of connection with the end-strips *C'*, shown in cross-section in fig. 2.

To give still increased strength to the frames *A* and *B*, I confine, around their end corners, by means of rivets *e*, angle-strips *D*, which I usually make of copper, on account of its being more readily brought into form than iron.

One of the strips for the part *B*, is shown in detail in figs. 3, 4, and 5.

The strips for stiffening the lower part *A*, are made in the same manner.

There are lap-strips, *E*, riveted at the lower edges of the lid *B*, at the front and ends.

I confine the leather covering to the frames *A B*, by sewing it thereto, in any convenient manner.

After the frames are covered, I rivet additional strips, *D*, on the corners, so as to cover the stitches, and give additional stiffness to the frames.

It must evidently appear that trunk-frames, constructed as described, with steel strips, interlaced and strengthened by angle metallic strips, have great strength and stiffness.

I am aware that angle-irons, for stiffening boxes, have been previously used; but I make no claim to them, except in combination with the lattice-work.

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

1. The cushion-form frames *A* and *B*, made of steel strips, woven together, to form lattice-work, substantially in the manner and for the purpose hereinbefore described.

2. The combination of the angle-strips *C C'* with the strips *a b*, substantially in the manner and for the purpose set forth.

3. The combination of the angle-strips *D* with the strips *a b*, whereby great additional strength is given to the lattice-work, substantially as described.

In testimony that the above is my invention, I have hereunto set my hand, and affixed my seal, this 7th day of April, A. D. 1869.

Witnesses: CHESTER D. FLYNT. [L. S.]

STEPHEN USTICK,

JOHN WHITE.

Ass'or to himself. Jacob H. Wendell & Andrew K. Hay of the same place.