

W. J. LEWIS.

Wagon Hound Coupling Box and Plate.

No. 111,755.

Patented Feb. 14, 1871.

Fig. 1.

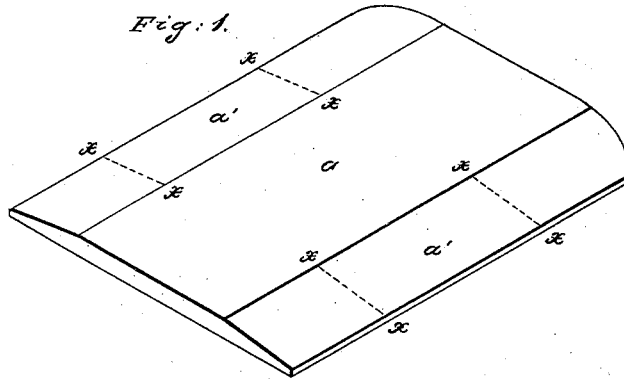


Fig. 2.

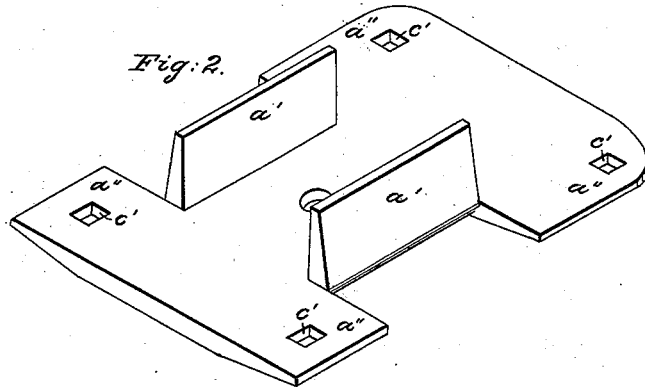
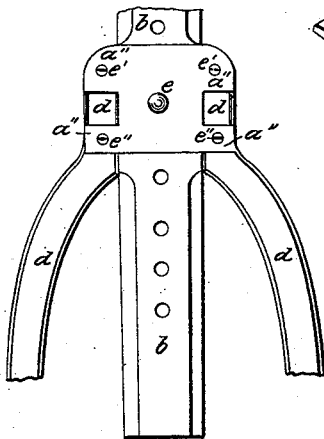


Fig. 3.



Witnesses:

R. C. Wrenshall.

Thos. B. Kerr.

Inventor:

William J. Lewis.  
by Bakerwell & Christy.  
his Attys.

# United States Patent Office.

WILLIAM J. LEWIS, OF PITTSBURG, PENNSYLVANIA.

Letters Patent No. 111,755, dated February 14, 1871.

## IMPROVEMENT IN WAGON-HOUND COUPLING-BOXES AND PLATES.

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, WILLIAM J. LEWIS, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Wagon-Hound Coupling-Box and Plate; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a perspective view of the blank from which my improved wagon-hound coupling-box and plate are made;

Figure 2 is a lower-face perspective view of the box complete; and

Figure 3, by a plan view of the ends of the hounds, a section of the reach or coupling-pole, and of the box and plate, illustrates the manner of its use.

Like letters of reference indicate like parts in each.

My improvement relates to the manufacture of the article above named of an improved form and of a cheaper and simpler construction.

To enable others skilled in the art to make and use my improvement I will proceed to describe its construction and manner of use.

The blanks *a* are cut or sheared to the desired size from rolled sheet or plate-iron, or they may be rolled in continuous lengths in bars or plates of the desired width, and the successive blanks *a* cut off, the thickness of the blanks being uniform throughout, or the edges being thinned down or beveled on one or both sides, as shown.

These blanks are then slit along the lines *x x*, and the parts *a'* between each two pair of slits are bent or swaged down to the position shown in fig. 2, so as to form sides to the coupling-box, distance between these sides being equal, or about equal, to the breadth

of the coupling-pole to be used therein. The depth of the sides *a'* may be varied at pleasure.

A hole, *c*, is punched for the coupling-bolt, and a hole, *c'*, in each ear *a''*, by which to bolt the box and plate to the hounds.

This device is then used as illustrated in fig. 3, where—

*b* represents the coupling-pole, and

*d* the hounds.

The pole *b* passes through between the sides *a'*, (fig. 2,) and the bolt *e* holds it in place.

By the bolts *e* passing through the bolt-holes in the ears *a''* the box and plate are fastened to the hounds *d*. The ears may be made long enough or large enough for two or more bolts to each, if so desired.

The ends of the hounds *d* rest against the outer faces of the sides *a'*, which sides may be as deep as the pole *b* is thick, and a plain plate be bolted on below; or the sides *a'* may be only half as deep as the pole *b* is thick, and a like box and plate, inverted, be bolted on below in the same way.

The device described is light, simple in construction, easily made, secures the hounds firmly together, and affords an easy means of adjusting the pole *b*.

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

A coupling-box and plate, made from rolled plate or sheet-iron, having sides *a'* and ears *a''*, substantially as described.

In testimony whereof I, the said WILLIAM J. LEWIS, have hereunto set my hand.

WILLIAM J. LEWIS.

Witnesses:

A. S. NICHOLSON,  
G. H. CHRISTY.