

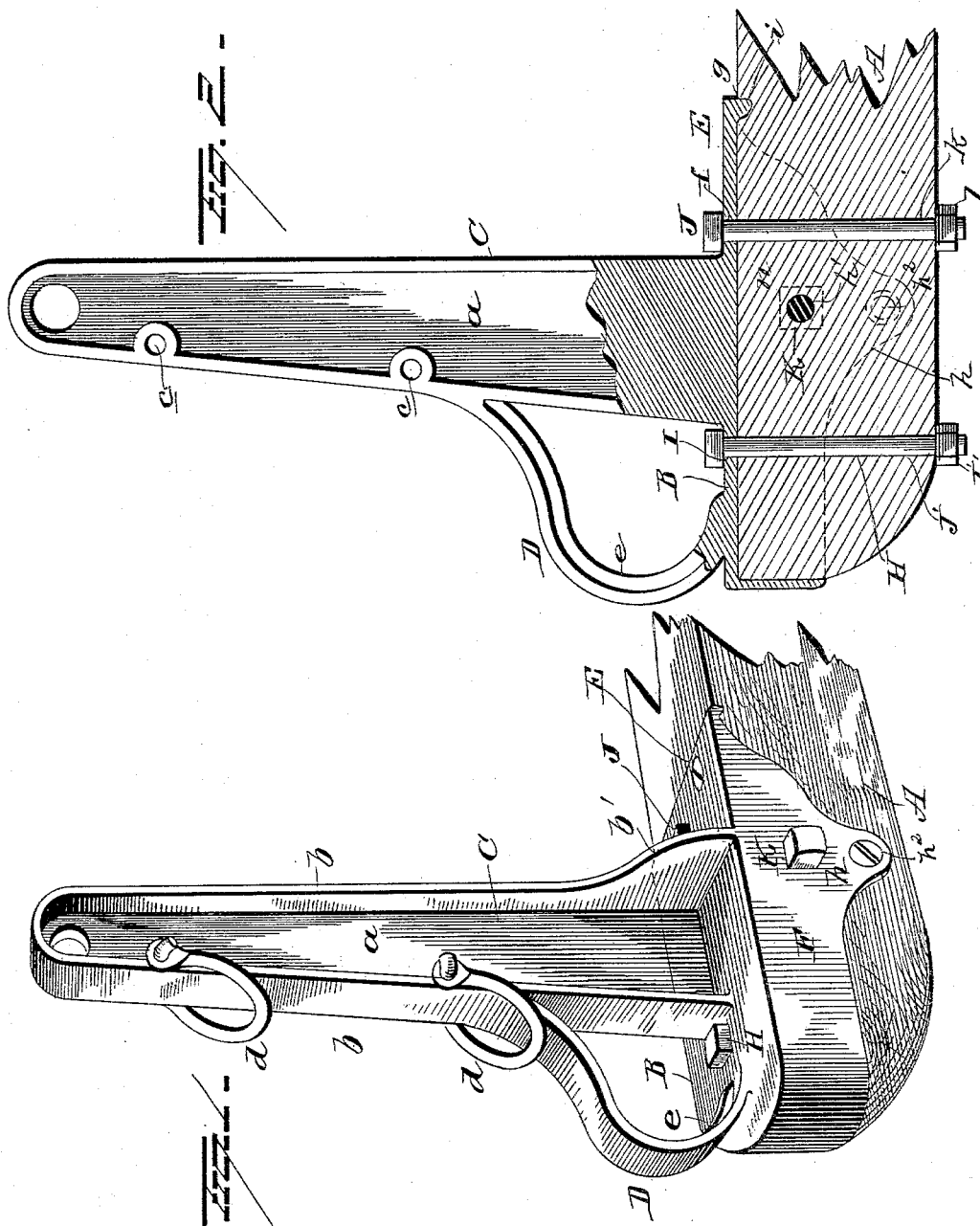
(No Model.)

R. F. KOESLING & W. MECKLENBURG.

STANDARD FOR WAGON BOLSTERS.

No. 381,627.

Patented Apr. 24, 1888.



Witnesses.

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UNITED STATES PATENT OFFICE.

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STANDARD FOR WAGON-BOLSTERS.

SPECIFICATION forming part of Letters Patent No. 381,627, dated April 24, 1888.

Application filed September 2, 1887. Serial No. 248,629. (No model.)

To all whom it may concern:

Be it known that we, RUDOLPH F. KOESLING and WILLIAM MECKLENBURG, of Clermont, in the county of Fayette and State of Iowa, have invented certain new and useful Improvements in Standards for Wagon-Bolsters; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to an improvement in standards for wagon-bolsters and to the manner of securing the same in position.

Hitherto bolster-standards have been devised in which the upright portions thereof were cast integral with a base-plate having a depending flange which was adapted to surround the outer end of the bolster and protect the same. Such standards were secured to the bolster by a bolt passing through the outer end of the base-plate and the tapered portion of the bolster, and another bolt passing through the depending flanges and transversely through the bolster. This arrangement does not afford sufficient rigidity to the standard in its attachment to the bolster, because the tapered end of the latter is liable to split where the bolt passes through it when considerable pressure is brought to bear upon the standard.

The object of our present invention is to obviate these disadvantages and objections and to produce a standard which will be locked against endwise displacement, as well as firmly secured in position upon the bolster, and which shall be light yet substantial, and comparatively cheap to manufacture.

With these objects in view our invention consists in the peculiar construction and novel combination and arrangement of parts, as will be hereinafter more fully described, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of our device. Fig. 2 is a side elevation in section.

A indicates a wagon-bolster of the usual construction, adapted for use with a draft-wagon, it having its ends preferably rounded, as shown in the drawings, to receive the base-plate B of a standard, C. The standard C is formed

with a thin web, *a*, having an integral flange, *b*, extending around its edges and projecting at right angles thereto on each edge of the web *a*, the inner end, *b'*, of said flange being somewhat widened to form a broad foundation for the standard, as shown in Fig. 1. The outer edge of the standard is provided with a series of horizontal eyelets, *c*, for the reception of the usual rings or loops, *d*.

A curved arm or bracket, D, is formed integral with the outer portion of the standard A, and extending outwardly and downwardly is joined to the base-plate B at its lower end. This arm D is provided on its under face with an integral rib or web, *e*, which extends throughout its entire length and serves to strengthen said arm, as will be readily understood.

The base-plate B, which is cast integral with the web *a*, flange *g*, and arm D, is provided with an inwardly-projecting extension, E, which is adapted to rest upon the upper surface of the bolster and afford means for more securely attaching the standard to the bolster, said extension having a perforation, *f*, made through it for a purpose to be described. The inner end of this extension E is provided with an integral downwardly-projecting lug or flange, *g*, extending from side to side of the flange and preferably having parallel side walls, as shown in Fig. 2. The base-plate B is further provided with a downwardly-projecting flange, F, which extends around the edge of plate B from one end to the other of the lug or flange *g*, thus giving the base-plate one continuous flange, extending completely around the edge of the latter. The inner widened portion, *h*, of this flange F is provided with a perforation, *h'*, on each side, and below this perforation *h'* a screw-hole, *h''*, is also preferably formed on each side of the bolster. The standard and base-plate being thus cast of a single piece of malleable iron or other suitable material, it is fitted to the end of the bolster, as shown, the lug or flange *g* fitting into a similarly-shaped groove, *i*, in the upper surface of the bolster A.

The bolster A is provided with a vertical perforation, *j*, near its outer end for the reception of a bolt, H, which passes through it, and a perforation, I, made in the base-plate B between the standard C and arm D, the lower end of the bolt H being provided with a se-

curing-nut, *j'*. Another vertical perforation, *k*, is made through the bolster in alignment with the perforation *f* of the extension *E* for the reception of a bolt, *J*, which passes through the perforations *f k*, and is furnished at one end with a securing-nut, *l*.

The bolster *A* has a transverse perforation made through it in alignment with the perforations *h'* of the flange *F*, through which is passed a bolt, *K*, having a nut, *n*, on one end, as shown.

By casting the entire device of one piece of malleable iron or steel, and passing securing-bolts vertically through the base-plate and bolster both in front and rear of the standard, and passing another bolt transversely through the downwardly-extending flanges and bolster, the standard is very securely fixed to the bolster and enabled to withstand strains or wedging action produced by the downward and outward pressure of a heavy load between the standards.

The close fit of the parallel walls of the depending lug or flange *g* in its receiving-groove of the bolster is calculated to afford a secure lock of the inner end of the base-plate with the bolster.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a flange-braced standard and a base-plate formed integral therewith, of a downwardly-projecting lug or flange formed on the under side of the base-plate and extending transversely along the inner edge thereof, substantially as set forth.

2. The combination, with a flange-braced standard, of a base-plate formed integral therewith, said base-plate being extended behind and before the standard and having a bolt-hole in each of said extensions, and a flange completely surrounding the base-plate and having bolt-holes therein, said flange being restricted on one edge to a downwardly-projecting lug, substantially as set forth.

In testimony whereof we have signed this specification in the presence of two subscribing witnesses.

R. F. KOESLING.
WM. MECKLENBURG.

Witnesses:

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