

(No Model.)

J. H. C. WILKENING.

JOINTED LAP RING.

No. 305,412.

Patented Sept. 16, 1884.

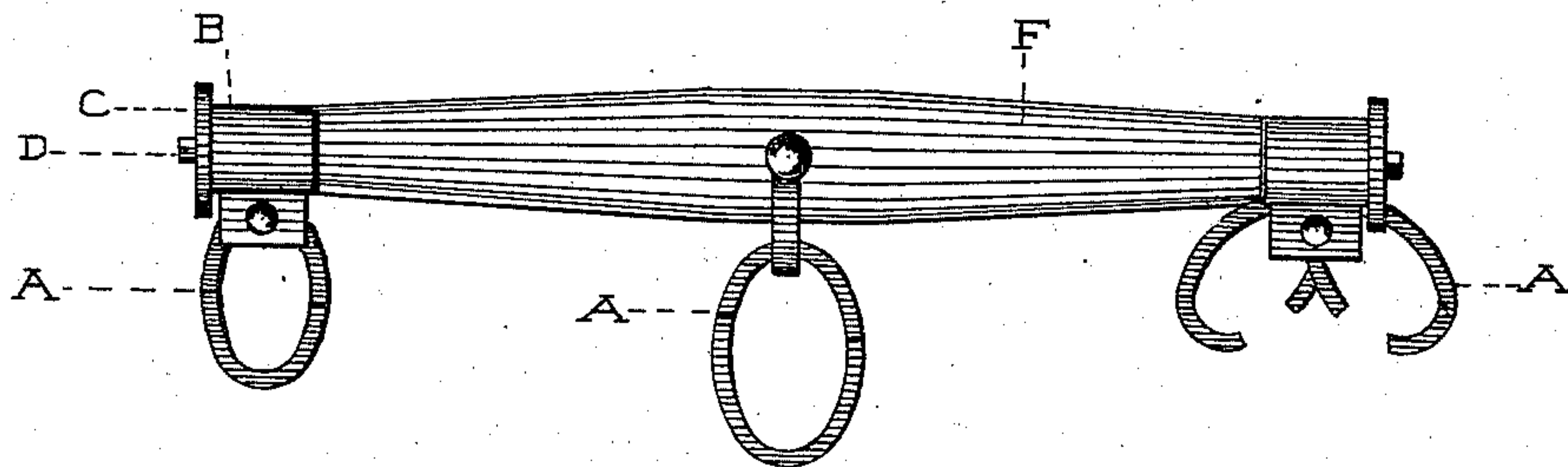


FIG 1

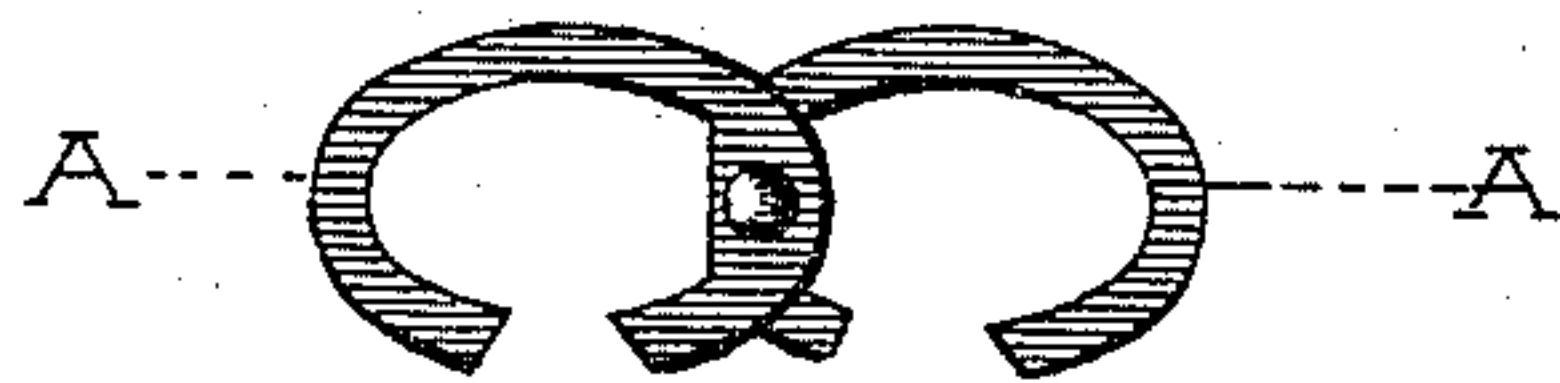


FIG 2.

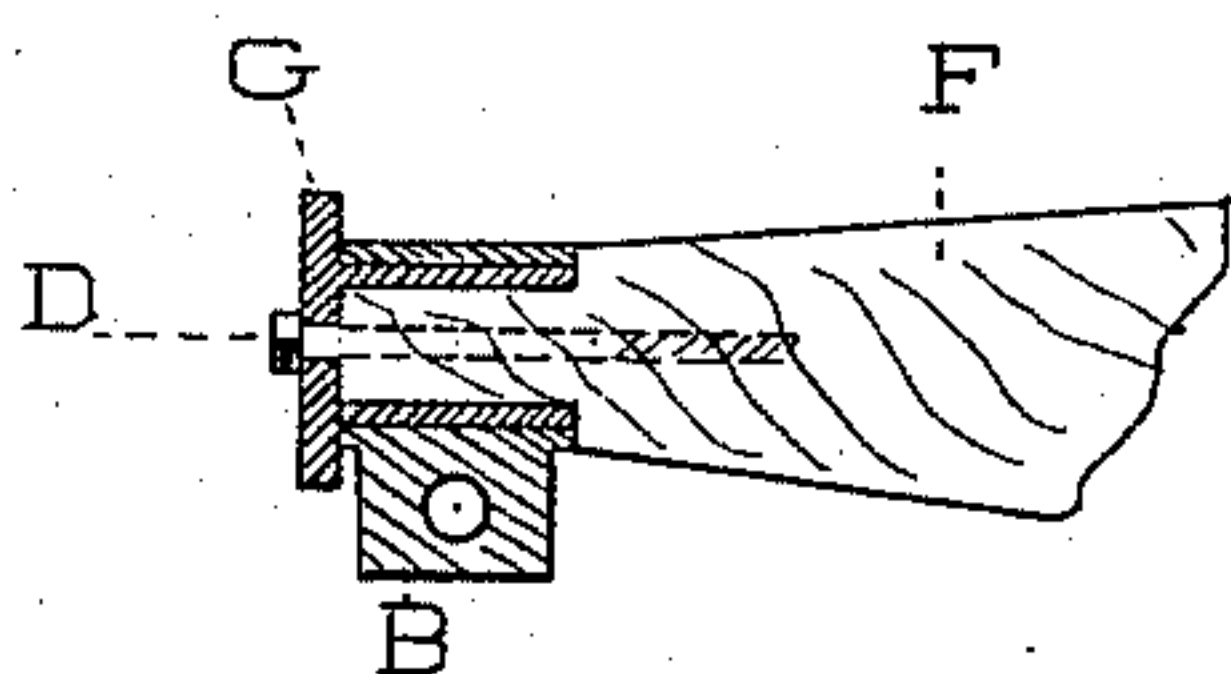


FIG 3

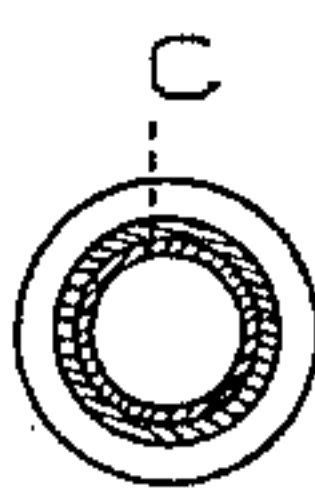


FIG 4

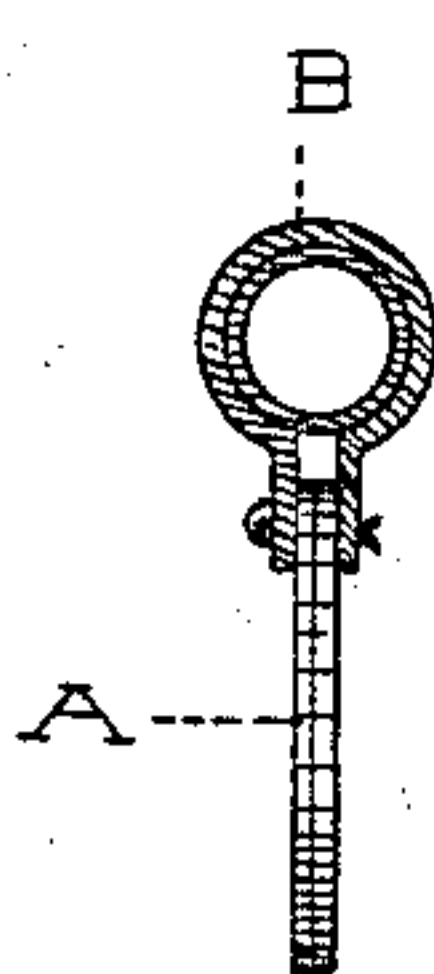


FIG 5



FIG 6.

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JOHN HENRY C. WILKENING, OF HIGGINSVILLE, MISSOURI.

JOINTED LAP-RING.

SPECIFICATION forming part of Letters Patent No. 305,412, dated September 16, 1884.

Application filed January 5, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. C. WILKENING, a citizen of the United States, residing at Higginsville, in the county of Lafayette and State of Missouri, have invented certain new and useful Improvements in Jointed Lap-Links; and I do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to an improved manner of attaching jointed lap-links to the whiffletree of a vehicle.

Figure 1 is a plan view of a single-tree having one of my improved links properly attached to each end, also having one attached to its center by the usual clevis. Fig. 2 shows a lap-link in which the parts are united by a small rivet. Fig. 3 is a section of the end of a single-tree, showing the arrangement of the parts in attaching the link. Fig. 4 is an end view of Fig. 3. Fig. 5 is a view of the link, facing edgewise, and in which it is attached to a revolving outside ferrule by means of a heavy rivet. Fig. 6 is an elevation of the outside ferrule.

A represents the said lap-link, which is preferably constructed by first stamping or cutting the thin flat links, of the form shown and described, directly from a sheet of metal, and afterward drilling or punching a suitable bolt or rivet opening at a suitable point in their circumference.

When it is desired to use a link in connec-

tion with a single-tree, a pair of the thin links are inserted between the lugs upon the outside ferrule, B, where they are securely held in place by means of a heavy rivet or bolt; then the outside ferrule, B, is attached to the end of the single-tree F through the medium of the flange-headed ferrule C and screw-bolt D, as shown. Such an arrangement permits the outside ferrule, B, to freely revolve; hence the single-tree may be quickly and easily reversed.

The link and its connections may be constructed of malleable iron, and I prefer to make the outside and inside ferrules in that manner; but the link should be formed as hereinbefore described. When the two thin links are united by a small rivet, they may be connected to a single-tree by a clevis, E, as shown in Fig. 1.

I am aware that a link has been constructed of bar-iron, having two parts pivoted permanently together; also, that a whiffletree-hook has been made of a single strap-ferrule rigidly attached to the whiffletree, and having the ends formed as jaws, between which the double tug-hook is pivoted; but

What I claim as new and of my invention is—

The combination, with the jointed lap-link A, of the revolving ferrule B and the flanged ferrule C, all arranged substantially as shown and described.

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

JOHN HENRY C. WILKENING.

Witnesses:

HENRY D. ASHLEY,
SAML. L. CASEY.