

(Model.)

J. F. RUHL.

WAGON BOX.

No. 316,915.

Patented Apr. 28, 1885.

Fig. 1.

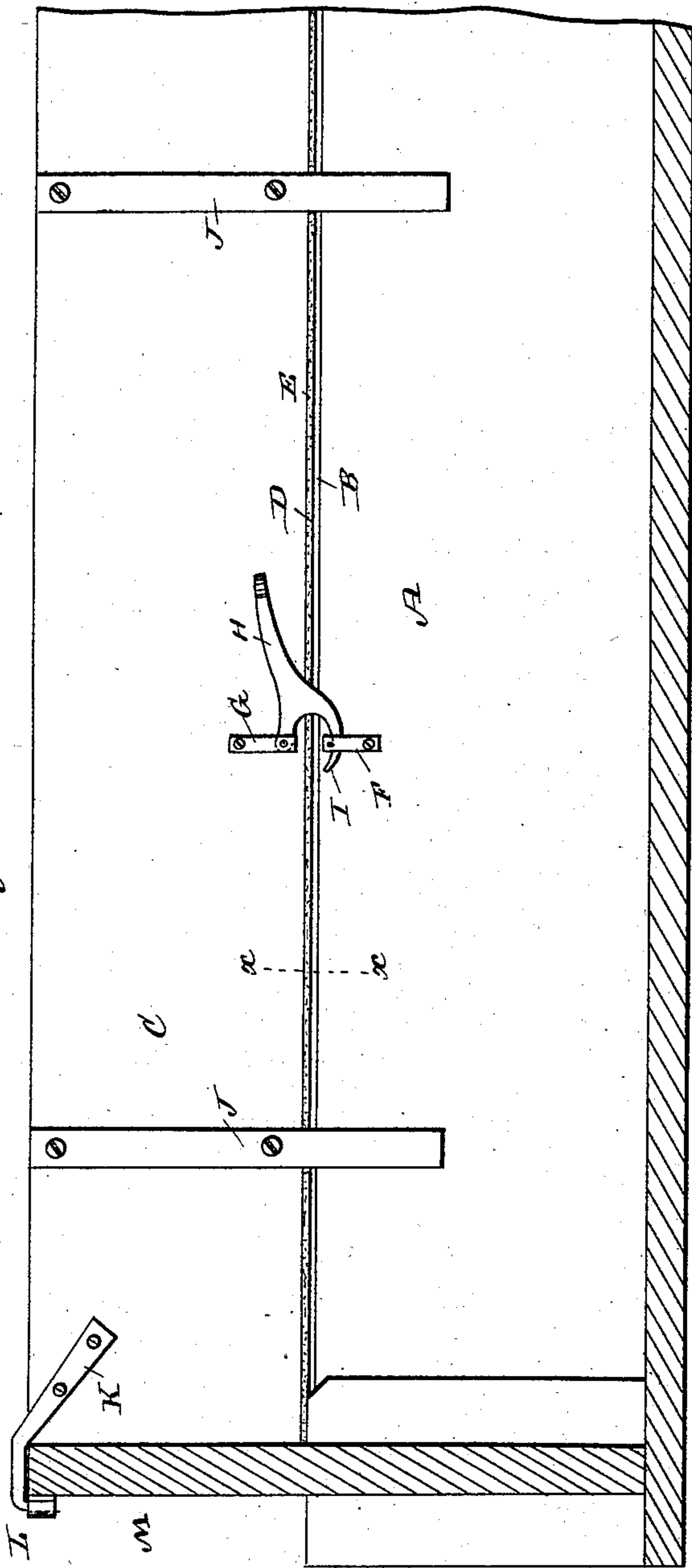
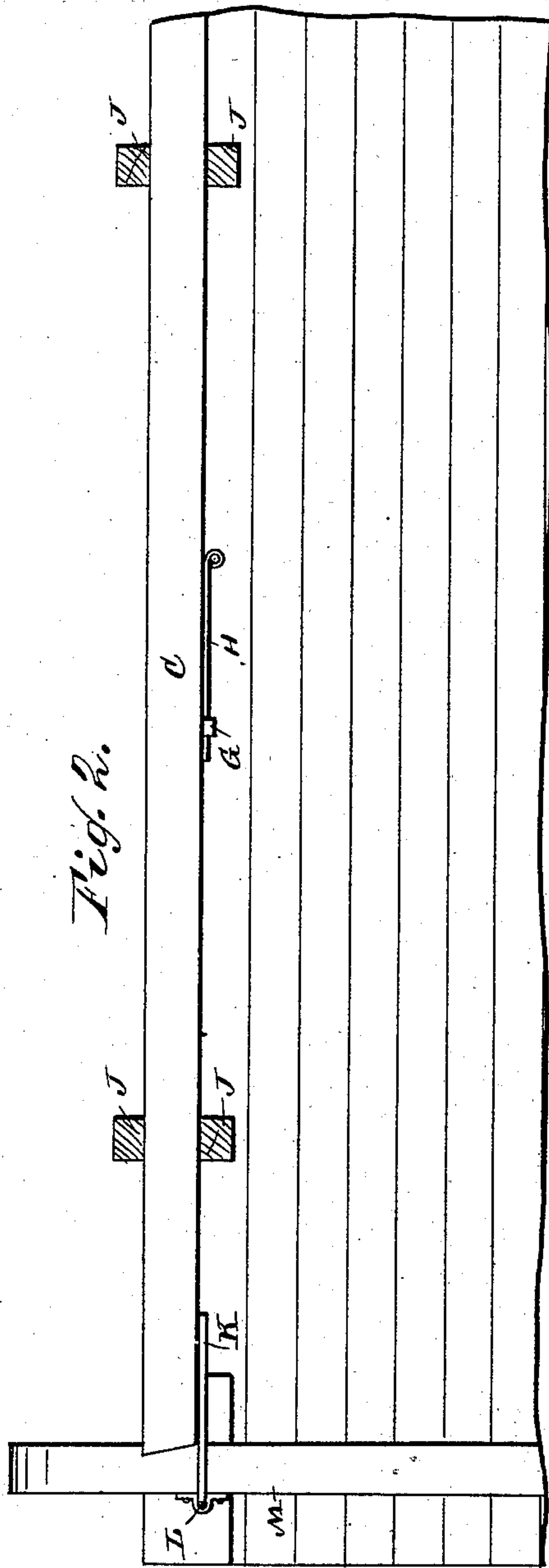


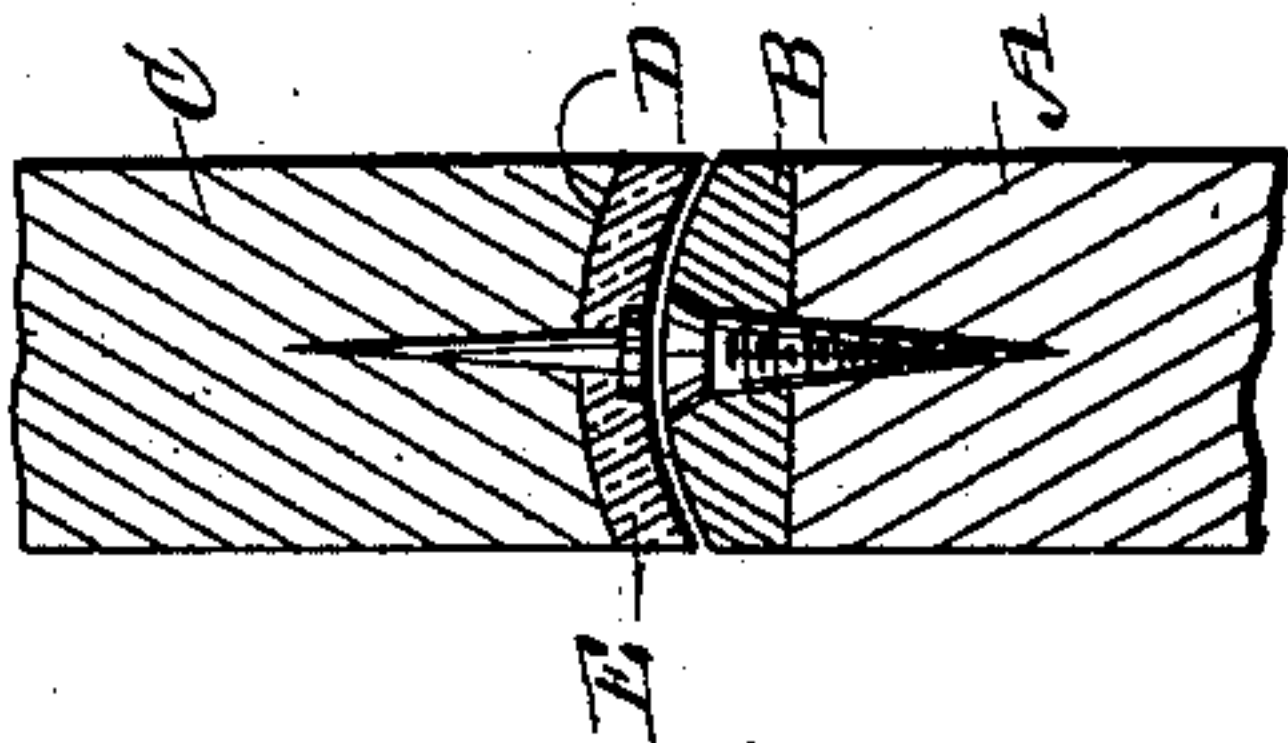
Fig. 2.



WITNESSES:

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Fig. 3.



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JESSE F. RUHL, OF TOPEKA, ILLINOIS.

WAGON-BOX.

SPECIFICATION forming part of Letters Patent No. 316,915, dated April 28, 1885.

Application filed February 20, 1885. (Model.)

To all whom it may concern:

Be it known that I, JESSE F. RUHL, of Topeka, in the county of Mason and State of Illinois, have invented a new and Improved Detachable Side for Wagon-Boxes, of which the following is a full, clear, and exact description.

This invention relates to certain new and useful improvements in the detachable sides of wagon-boxes; and the object of my invention is to hold the detachable sides securely in place and to form a close joint.

The invention consists in the construction and arrangement of parts, as will be hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a sectional elevation of a wagon-box in part provided with my improved detachable sides. Fig. 2 is a plan view of the same. Fig. 3 is an enlarged cross-sectional elevation of the same on the line *xx* of Fig. 1.

On the top edge of the fixed side A of the wagon-box a metal bar, B, is secured, which has a transversely-convex top surface.

The detachable side C, which is placed on the fixed side A, is provided in its bottom edge with a longitudinal transversely-concave groove, D, fitting on the top of the bar B, and in the concave groove D a strip, E, of felt or rubber or other packing material is secured.

A staple or eye, F, is secured on the inner surface of the fixed side A, near the top edge, and in a clip, G, on the inner surface of the detachable side C, near the bottom, a lever, H, is pivoted, provided with a curved projection or prong, I, on its bottom edge.

The downwardly-projecting bars or stakes J are secured on the faces of the detachable sides C and rest against the inner and outer surfaces of the fixed side A.

On the upper corner of the detachable side C a hook, K, is secured, which passes over the front end-board or dash-board, L, and can be passed into a loop or staple, M, on the outer surface of the said end-board. The detach-

ble side C is placed on the fixed side A, the hook K being passed into the staple L. The lever H is pressed down, the prong I passing into the staple F, whereby the detachable side C is pressed firmly on the side A, and whereby a close and tight joint is formed, thus preventing grain, sand, &c., from working through the joint.

The top edge of the bar B need not necessarily be made convex, but can be beveled toward the side edges. In place of the loop or staple L on the end-board, a notched lug or analogous device may be provided on the top edge of the end-board, into which notch the hook K can be passed, to prevent the top side piece of the end-board from shifting laterally.

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

1. The combination, with the fixed wagon-box side A, having transversely-convex top edge, or a bar on its top edge, the said bar having a transversely-convex top edge, of the detachable side C, having a transversely-concave groove in its bottom edge and a packing-strip in the groove, substantially as herein shown and described.

2. The combination, with a fixed wagon-box side, of a detachable wagon-box side having a packing-strip on its bottom edge, and of a lever pivoted on the detachable side, for the purpose of pressing the detachable side firmly on the fixed side, substantially as herein shown and described.

3. The combination, with the fixed wagon-box side A, the detachable side C, and the end-board M, of the staple L on the end-board, the hook K on the detachable side-board C, the staple F on the fixed side-board A, and the lever H, pivoted on the detachable board C, and provided with the curved prong or projection I, substantially as herein shown and described.

JESSE F. RUHL.

Witnesses:

J. W. DOWNEY,
S. H. DRAKE.