

(No Model.)

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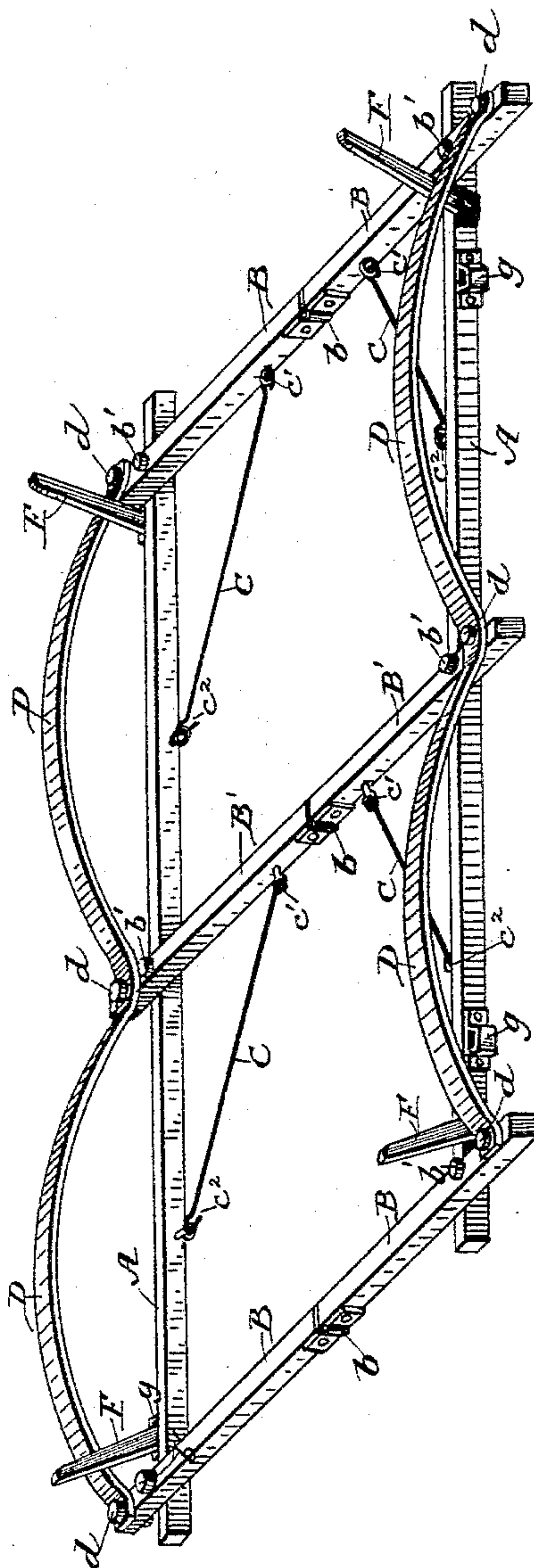
W. E. DEAKINS.

HAY RACK.

No. 388,025.

Patented Aug. 21, 1888.

Fig. 1



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Frank J. Campbell.
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INVENTOR,
Wm. E. Deakins.
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(No Model.)

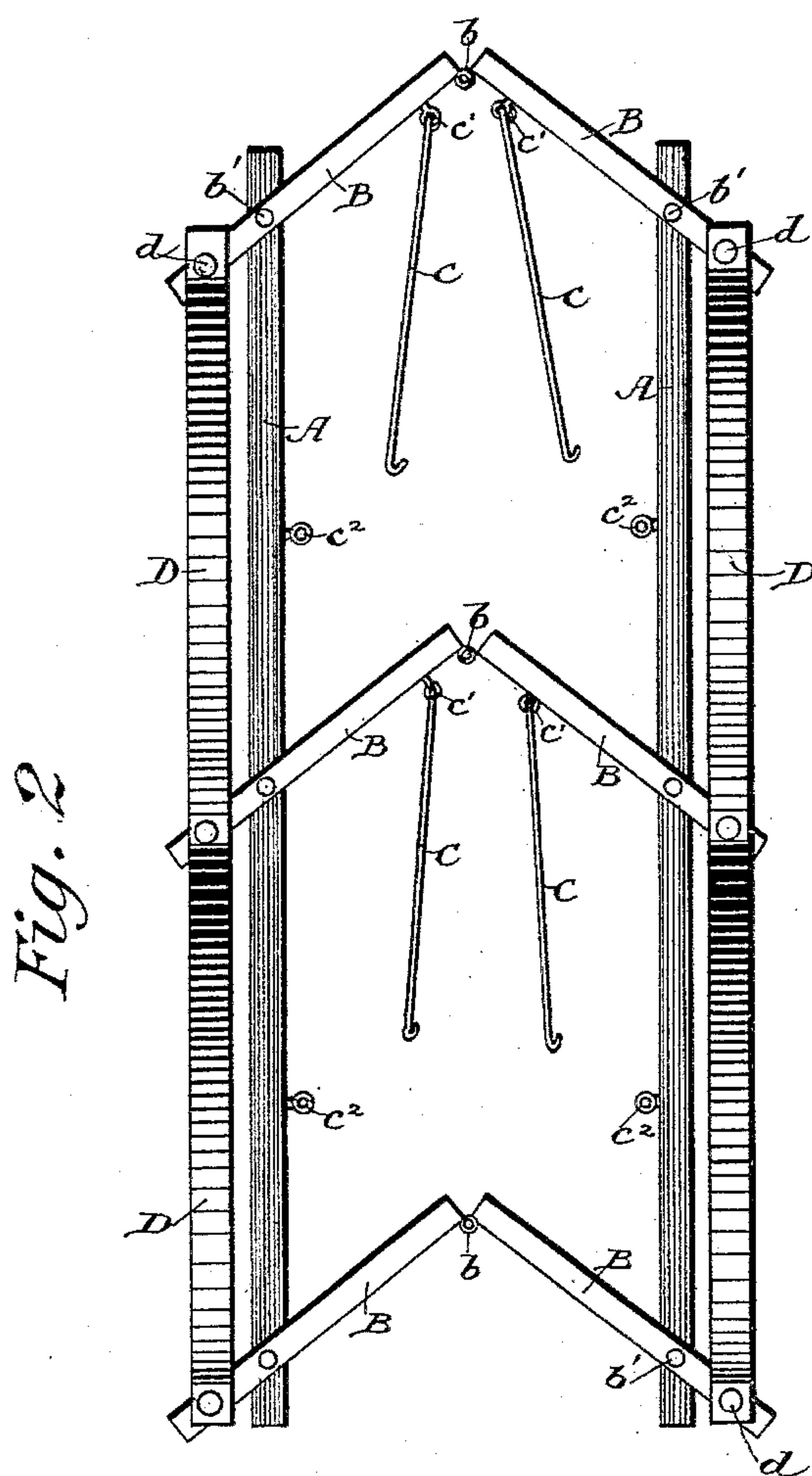
2 Sheets—Sheet 2.

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UNITED STATES PATENT OFFICE.

WILLIAM E. DEAKINS, OF JAMESTOWN, MISSOURI.

HAY-RACK.

SPECIFICATION forming part of Letters Patent No. 388,025, dated August 21, 1888.

Application filed April 24, 1888. Serial No. 271,700. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. DEAKINS, a citizen of the United States, residing at Jamestown, in the county of Moniteau and State of Missouri, have invented certain new and useful Improvements in Grain and Hay Frames; 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 grain and hay frame to be used upon farm-wagons; and the object of my invention is to provide a frame which may be removed from the wagon and folded up when not in use, to be put out of the way, so that it will not take up an unnecessary amount of room in the barn or wagon-house.

The improvement consists in certain constructions and combinations of parts, herein-after particularly described and claimed, with reference to the accompanying drawings, wherein—

Figure 1 is a perspective of my improved frame, and Fig. 2 a plan of the same when partly folded.

The frame is constructed of two parallel longitudinal sills, A, connected with each other by end cross-sills, B B, and an intermediate cross-sill, B', each of which is made in two parts hinged together at *b* and pivoted to the longitudinal sills at *b'*, by which means the longitudinal sills may be moved in parallel lines toward each other until the parts above referred to are completely folded one against the other. The cross-sills are connected to the longitudinal sills when the frame is opened out, and held securely in its outstretched position by diagonal brace-rods C, hinged at *c'* to the inner ends of the cross-sill sections, and hooked at *c''* to eyes *c'''*, secured to the longitudinal sills.

The ends of the cross-sills B B B' project beyond the longitudinal sills, and are pivotally connected at *d* to side bows, D, which are thus permitted to move also in parallel lines together with the longitudinal sills, and fold to-

gether one upon the other when the frame is removed from the wagon and put in position for storage.

Standards F are pivoted to the ends of the longitudinal sills and are placed in a slightly-inclined upright position, as shown in Fig. 1, to rest against an abutment-plate, *f*, on the longitudinal sill when in use, and are folded down when the frame is folded up to be put out of the way.

The longitudinal sills A have sockets *g*, into which the standards or jaws secured to the bolsters of the wagon are fitted, and serve to hold the frame securely upon the running-gear. The frame is of simple construction, is light and strong, and may be easily handled. They may be manufactured in large quantities and shipped from place to place without occupying an unnecessary amount of car-space, thus lessening the cost of freight or transportation.

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

1. A folding hay and grain frame for wagons, consisting of longitudinal sills and side pieces and transverse sills pivoted thereto and made in two sections hinged together, substantially as described.

2. In a folding hay and grain frame, the combination of the longitudinal sills, transverse sills pivoted thereto and projecting outside of the longitudinal sills, and the side bows pivoted to the cross-sills, substantially as described.

3. In a folding hay and grain frame, the combination of the longitudinal sills, the cross-sills made in sections hinged together, and the diagonal brace-rods connecting the longitudinal sill with the cross-sills, substantially as described.

4. In a folding hay and grain frame, the combination of the longitudinal sills, the hinged cross-sills, and the standards pivoted to the longitudinal sills to fold thereon, substantially as described.

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

WILLIAM E. DEAKINS.

Witnesses:

JACOB WEISSE,
B. F. NICKLES.