

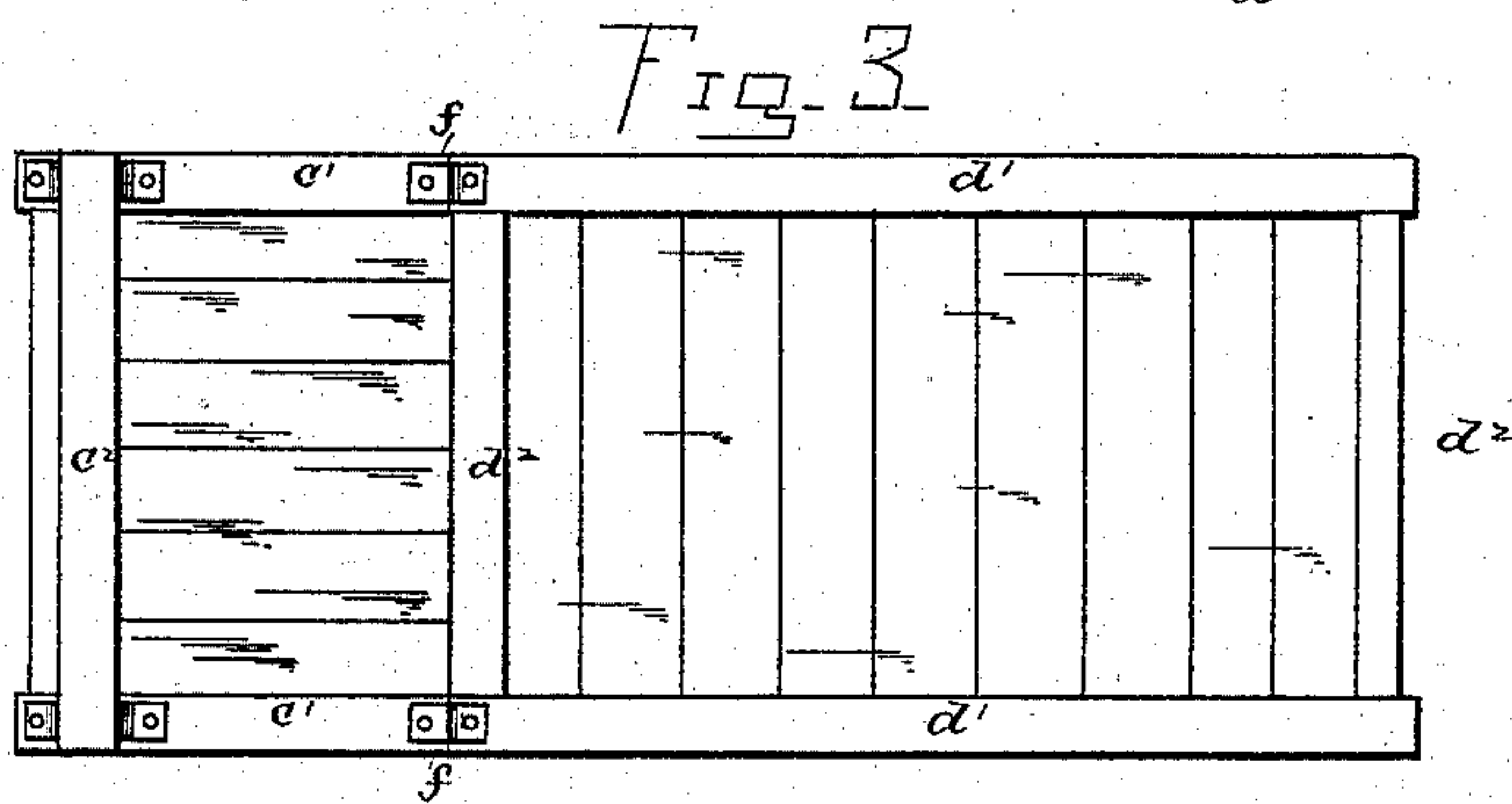
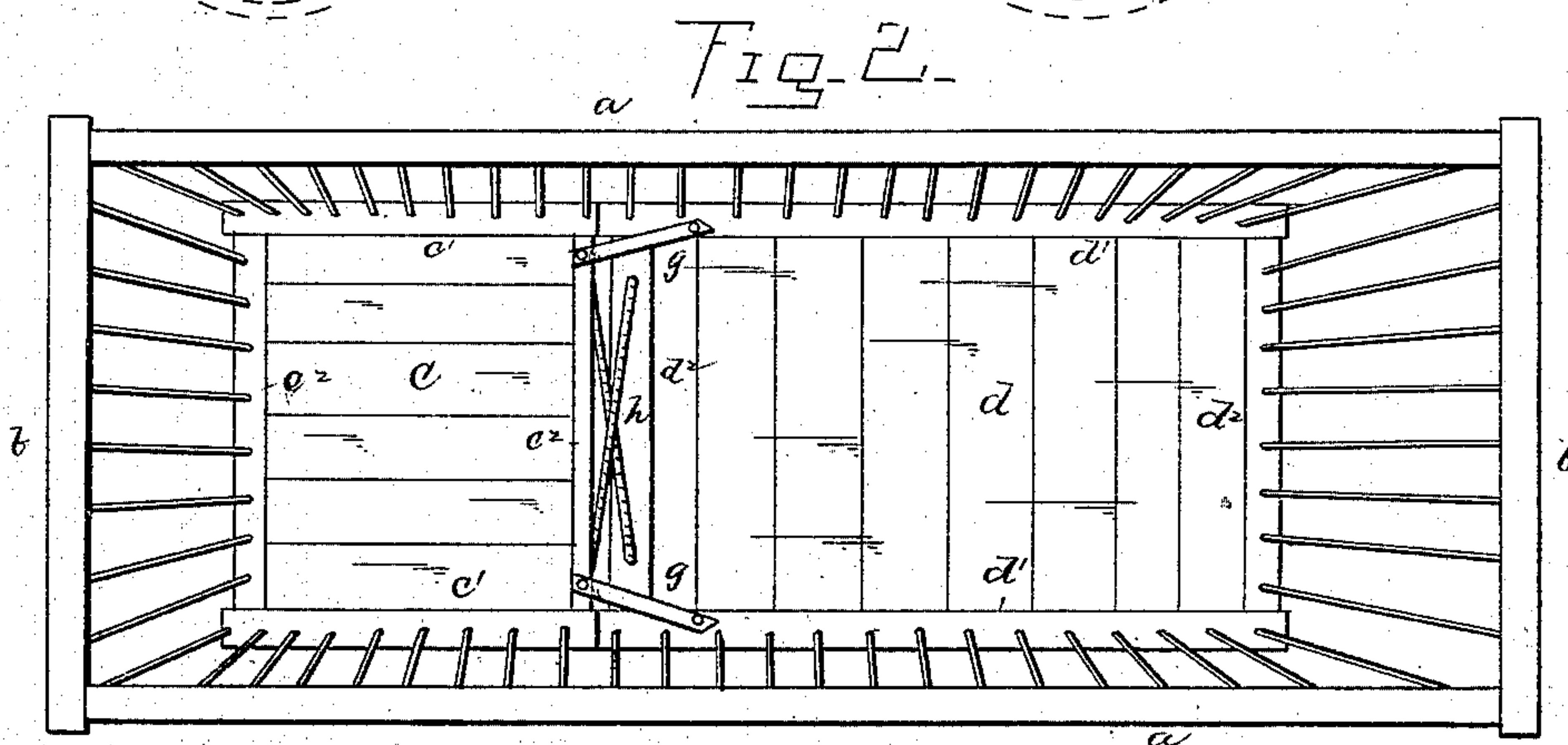
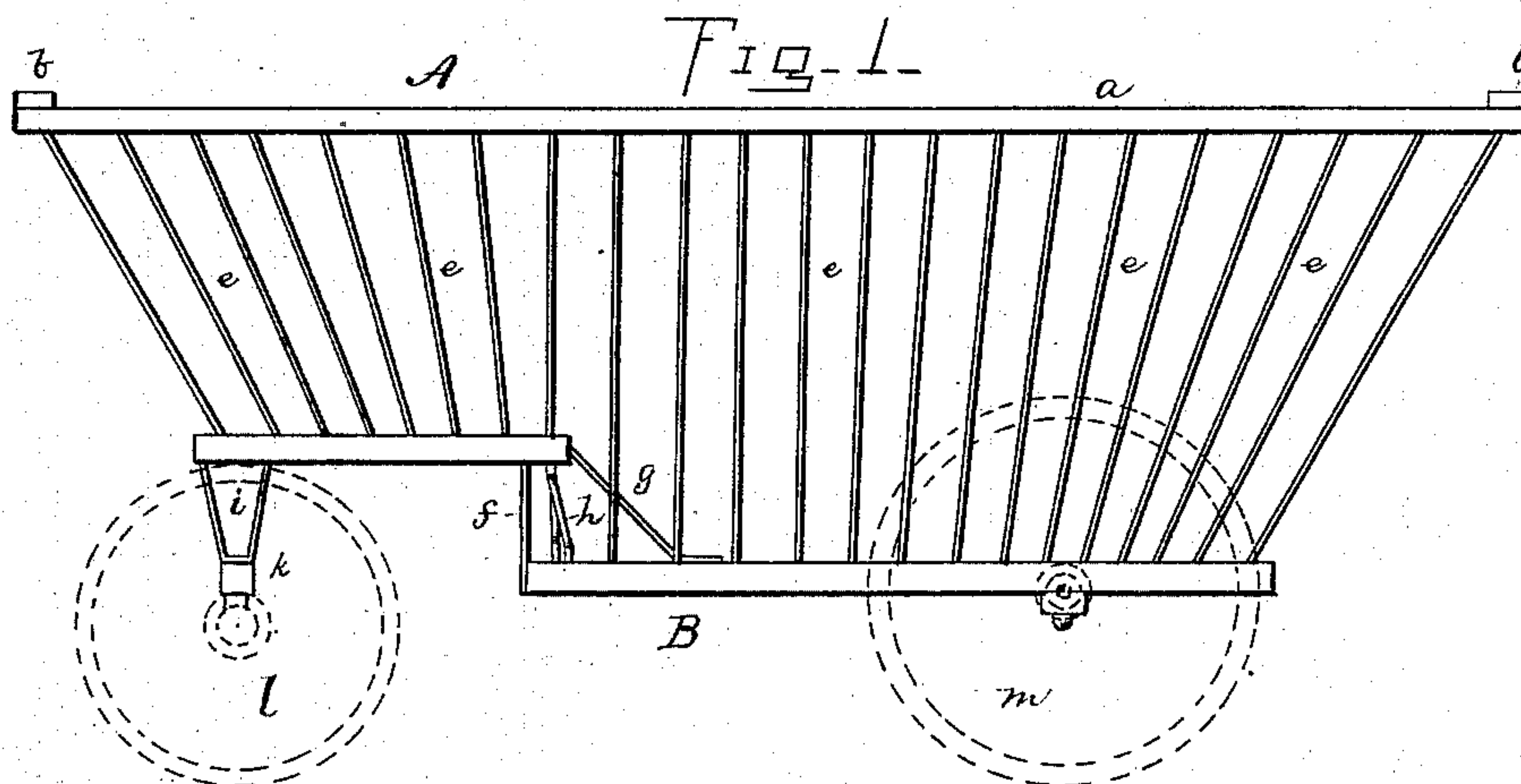
(No Model.)

E. F. WHITAKER.

HAY RACK.

No. 272,109.

Patented Feb. 13, 1883.



WITNESSES

J. B. Brown
Wm. Read

PER

INVENTOR

Elisha F. Whitaker
Pembaker, Simpson & Co.
ATTORNEYS

UNITED STATES PATENT OFFICE.

ELISHA F. WHITAKER, OF GOULDSBOROUGH, MAINE.

HAY-RACK.

SPECIFICATION forming part of Letters Patent No. 272,109, dated February 13, 1883.

Application filed November 2, 1882. (No model.)

To all whom it may concern:

Be it known that I, E. F. WHITAKER, a citizen of the United States, residing at Gouldsbrough, in the county of Hancock and State of Maine, have invented a new and useful Hay-Carriage, of which the following is a specification.

My invention relates to improvements in hay-carriages constructed with flaring sides, forming racks for transporting hay from fields to stables, barns, &c.

The objects of my invention are to construct the carriage in such manner as that it may be turned within a short space, and also to provide a platform from which the hay may be advantageously pitched from the carriage.

My invention consists in the means for attaining these objects, as hereinafter described.

In the drawings, Figure 1 is a side elevation of my improvement; Fig. 2, a top view of same, and Fig. 3 a bottom view.

Similar letters of reference indicate corresponding parts throughout the drawings.

A represents the body of the carriage.

a are the upper side pieces of the body, connected by the cross-pieces *b*.

c is the front platform of the carriage, consisting of the side pieces *c'* and cross-pieces *c''*, floored over with boards.

d is the rear platform, situated in a lower plane than the platform *c*, and consisting of the side pieces *d'* and cross-pieces *d''*, floored over in like manner with the front platform *c*.

The side pieces *c'* *d'* and the side pieces *a* are connected by the rounds *e*, and in like manner the front and rear cross-pieces, *c''* *d''*, are

connected with the cross-pieces *b*. The front platform, *c*, is raised above the rear platform, *d*, about two-fifths or one-quarter the distance between said rear platform, *d*, and the upper frame, *a b*, and said platforms are connected by the upright metal braces *f*, the diagonal braces *g*, and the oblique braces *h*. All of said braces are secured to the frames of the platforms by means of screw-bolts, in order that they may be tightened to allow for shrinkage or wear of the wood-work.

i are metallic rocker-straps, and *k* is the rocker bar or bolster.

This body is mounted upon running-gear B, provided with front wheels, *l*, of such size as to turn under the front platform, and rear wheels, *m*, of somewhat larger size.

It will be seen that by this construction my improved hay-carriage may be turned about within a small space, and that the front platform affords a convenient place from which to pitch the hay when the wagon is nearly empty.

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

In a hay-rack, the combination, with the running-gear and the frame *e a b*, of the rear platform, *d*, and the elevated front platform, *c*, said platforms connected together by the straps *f g h*, substantially as and for the purposes described.

ELISHA F. WHITAKER.

Witnesses:

B. T. TOWLE,

H. B. SAUNDERS.