F. A. BORT.

STOCK LOADING RACK.

APPLICATION FILED OCT. 4, 1919.

1,360,082. Patented Nov. 23, 1920.

Fig. 1.

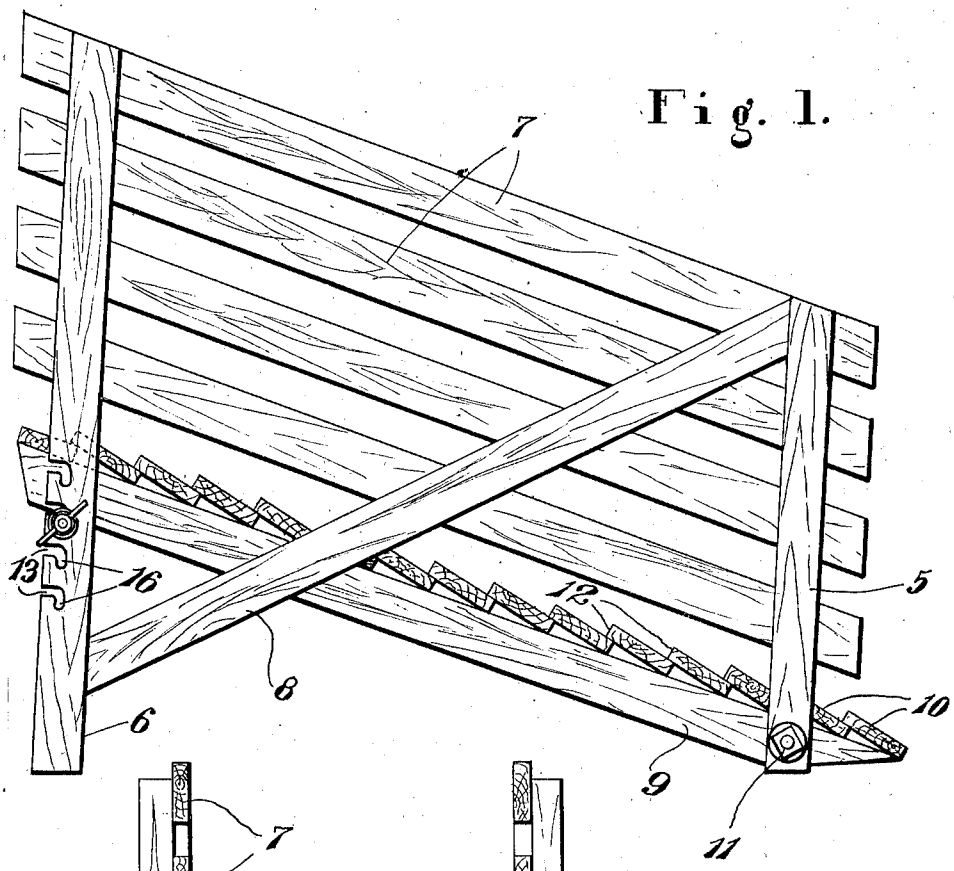
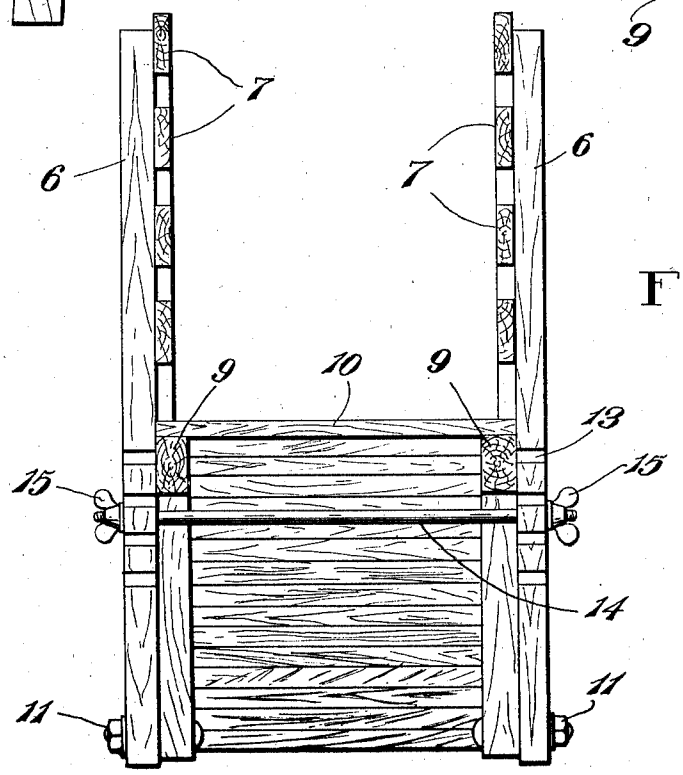


Fig. 2.



INVENTOR:
F. A. Bort
BY A. M. Wilson
ATTORNEY.

UNITED STATES PATENT OFFICE.

FRED A. BORT, OF HOPKINTON, IOWA.

STOCK-LOADING RACK.

1,360,082. Specification of Letters Patent. Patented Nov. 23, 1920.

Application filed October 4, 1919. Serial No. 328,406.

To all whom it may concern:

Be it known that I, FRED A. BORT, a citizen of the United States of America, residing at Hopkinton, in the county of Delaware and State of Iowa, have invented certain new and useful Improvements in Stock-Loading Racks, of which the following is a specification.

This invention relates to new and useful improvements in stock loading racks, used in loading stock onto wagons or cars from pens.

The primary object of the present invention is to provide a stock loading rack which is extremely simple and durable in construction and which is provided with an adjustable floor whereby the rack can be used to load stock onto wagons or cars of varying heights.

With the above general objects in view and others that will become apparent as the nature of the invention is better understood, the same consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing, and then claimed.

In the accompanying drawing,

Figure 1 is a side elevational view of a stock loading rack constructed in accordance with the present invention and

Fig. 2 is an end elevational view thereof.

Referring more in detail to the several views, the present invention embodies a pair of forward upright posts 5, one of which is shown in Fig. 1 and a pair of relatively longer upright rear posts 6 both of which appear in Fig. 2, it being understood that the posts 5 are spaced apart a similar distance to the spacing of the posts 6. At each side of the rack, the post 5 is rigidly connected with the post 6 by a plurality of inclined rails 7 and angularly arranged reinforcing bar 8.

A floor comprising a pair of substantially parallel spaced side bars 9 connected by transverse boards 10 is arranged between each fence-like panel composed of the bar 8, posts 5 and 6 and rails 7 so as to extend from a point slightly forwardly of the posts 5 to a point slightly rearwardly of the posts 6 as shown more clearly in Fig. 1. The side bars 9 are pivotally attached to the lower ends of the upright posts 5 as at 11 so as to allow vertical swinging movement of the floor, and the boards 10 are arranged in overlapping or shingle-like formation so as to provide end faces 12 as footholds for the stock when walking up the inclined floor to the wagon, it being noted that the boards 10 have their ends fastened in any suitable manner rigidly to and upon the upper faces of the bars 9.

In order to support the rear end of the floor in different vertically adjusted positions the posts 6 are slotted as at 13 for reception of the transversely arranged bolt 14 which is arranged beneath the adjacent ends of the bars 9 and is fastened in this position by the wing nuts 15 threaded upon the ends thereof. The slots 13 are of angular formation so as to provide a seat in each notch as at 16 and thereby prevent outward displacement of the bolt 14 except when the nuts 15 are loosened and said bolt is raised. It is obvious that it is only necessary to loosen the nuts 15 in order to adjust the bolt 14 from one pair of slots to another.

From the foregoing description, it is believed that the construction and operation of the present invention will be readily understood by those skilled in the art.

While the form of the invention herein shown and described is what is believed the preferable embodiment thereof, nevertheless it is to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

What I claim as new and desire to secure by Letters Patent is:—

A stock loading rack including a pair of fence-like structures having an inclined floor arranged therebetween and pivoted at its lower end to the structures for vertical swinging movement, said fence-like structures including rear upright posts having a vertical series of angular slots, and a bolt arranged beneath and supporting the other end of said floor, said bolt being adapted to have its ends disposed in selected horizontally alined ones of said slots for supporting the floor at the required inclination, and retaining nuts threaded on the same ends of said bolt against the outer sides of said rear posts.

In testimony whereof I affix my signature.

FRED A. BORT.