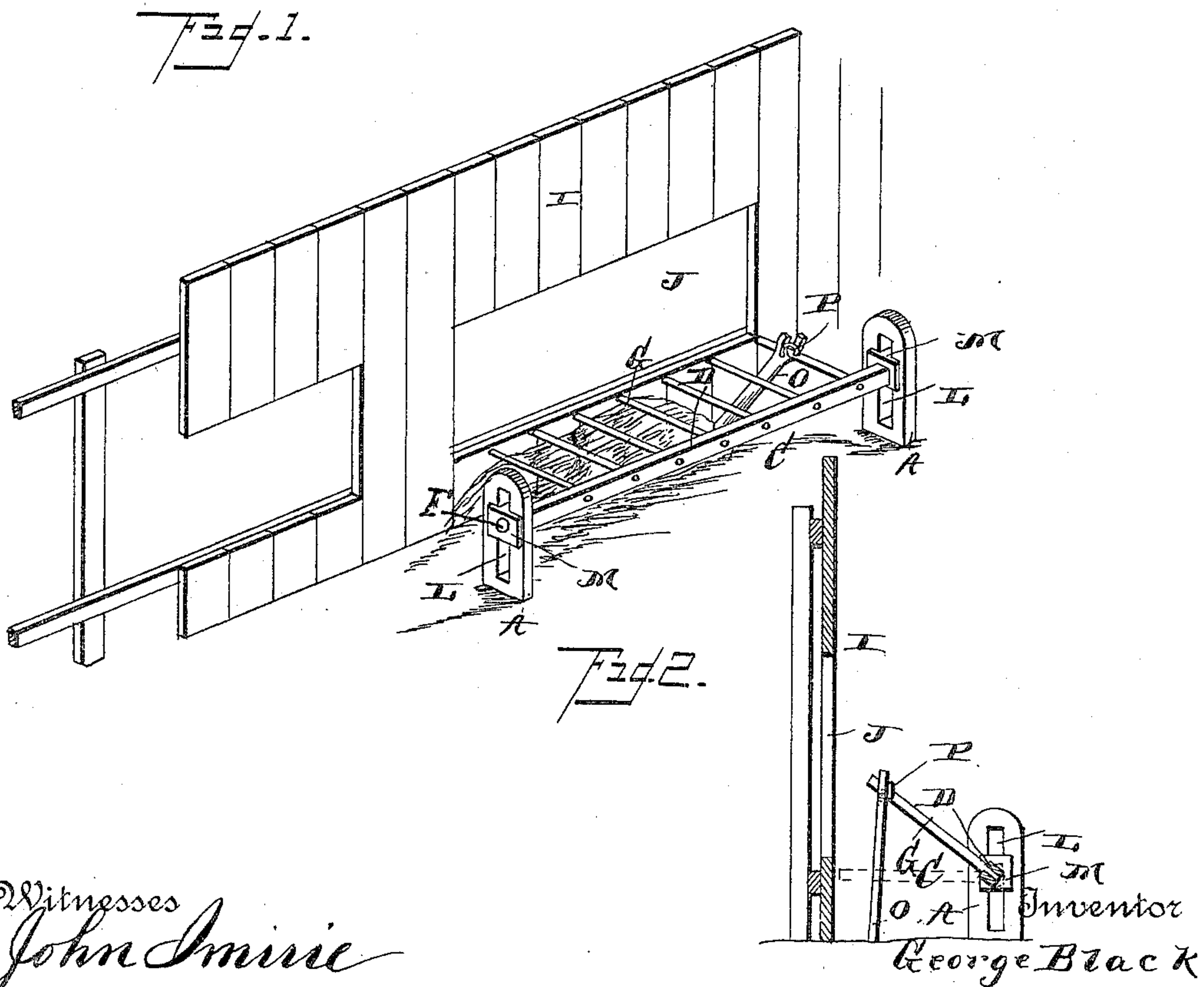


(No Model.)

G. BLACK.
DEVICE FOR FEEDING STOCK.

No. 409,162.

Patented Aug. 20, 1889.



Witnesses
John Smilie
Wm. Baggett

By his Attorneys

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UNITED STATES PATENT OFFICE.

GEORGE BLACK, OF ST. CHARLES, IOWA.

DEVICE FOR FEEDING STOCK.

SPECIFICATION forming part of Letters Patent No. 409,162, dated August 20, 1889.

Application filed March 15, 1889. Serial No. 303,426. (No model.)

To all whom it may concern:

Be it known that I, GEORGE BLACK, a citizen of the United States, residing at St. Charles, in the county of Madison and State of Iowa, have invented new and useful Improvements in Devices for Feeding Stock, of which the following is a specification.

This invention relates to an improved rack or device for feeding stock; and it has for its object to provide a device of this class in which the hay or other feed, while readily accessible to the stock, shall be so protected as to prevent the stock from feeding too fast or from trampling the feed under their feet, or from selecting the best and leaving the inferior portions thereof.

With these ends in view the invention consists in the improved construction and arrangement of parts, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, Figure 1 is a perspective view illustrating a modification. Fig. 2 is a sectional view of the latter.

The same letters refer to the same parts in both figures.

A A designate a pair of low posts or supports set in the ground a suitable distance apart and provided near their upper ends with vertical slots L, in which are mounted vertically-sliding blocks M, forming bearings for the hinged or pivoted frame C. The latter consists of a bar D, provided with the trunnions F F, by which it is mounted in its bearings in the vertically-sliding blocks M, and having a series of transverse rods G extending outwardly, as will be seen in the drawings. The free ends or edges of the hinged frames C are provided with props or supports O, connected thereto by wire loops P, and having crotches at their upper ends in which the outer ends of the frames C may rest, when desired.

In front of the posts A A and at a suitable distance therefrom is erected a suitably-constructed board fence I, having a longitudinal opening J at a suitable height from the ground

and sufficiently large to admit the heads of the cattle or horses who may reach the feed-rack through the said opening.

The operation of this device will be readily understood from the foregoing description.

The hay or feed is placed upon the ground between the posts A A and adjoining the fence, and the pivoted frame C is then swung over toward the fence, so as to rest on top of the hay. It will now be seen that while the stock has ready access to the hay large quantities of the latter cannot be pulled out and trampled under the feet of the stock, which is thereby compelled to eat slowly and prevented from selecting the best and leaving the inferior portions of the feed. As the hay is being eaten, it is constantly kept in place by the weight of the pivoted frame C, which automatically retains its proper position.

It is obvious that my improved feed-rack may be constructed of any desired length, and that any desired number of the posts A may be used, each of the intermediate posts forming a support for the pivoted ends of the two adjoining pivoted frames.

Owing to the adjustability vertically of the frames C, the hinged ends of which are mounted in the vertically-sliding blocks M, the said frames may accommodate themselves to larger quantities of feed than could otherwise be placed thereunder.

The advantages of my improved stock-feeding device will be readily appreciated. Its construction is simple and inexpensive, and in feeding stock outdoors it prevents a very considerable waste of hay, which invariably occurs by outdoor feeding, as generally practiced. It is obvious that the principle of my invention may also be applied to stalls or boxes or indoor feeding with a like satisfactory result.

Having thus described my invention, I claim—

1. The combination, with the posts having vertical slots, of the blocks mounted to slide vertically in the said slots, the swinging

frames mounted in the said blocks, and a fence or barrier erected in front of the posts, substantially as set forth.

2. The combination of the posts or up-
5 rights, the swinging frames suitably mounted in the same and provided with transverse cross-bars, the forked props or supports suitably attached to the free edges of the swinging frames, and the fence or barrier erected

in front of the posts, substantially as and for the purpose herein set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

GEORGE BLACK.

Witnesses:

M. I. BEAN,
C. F. WOOD.