

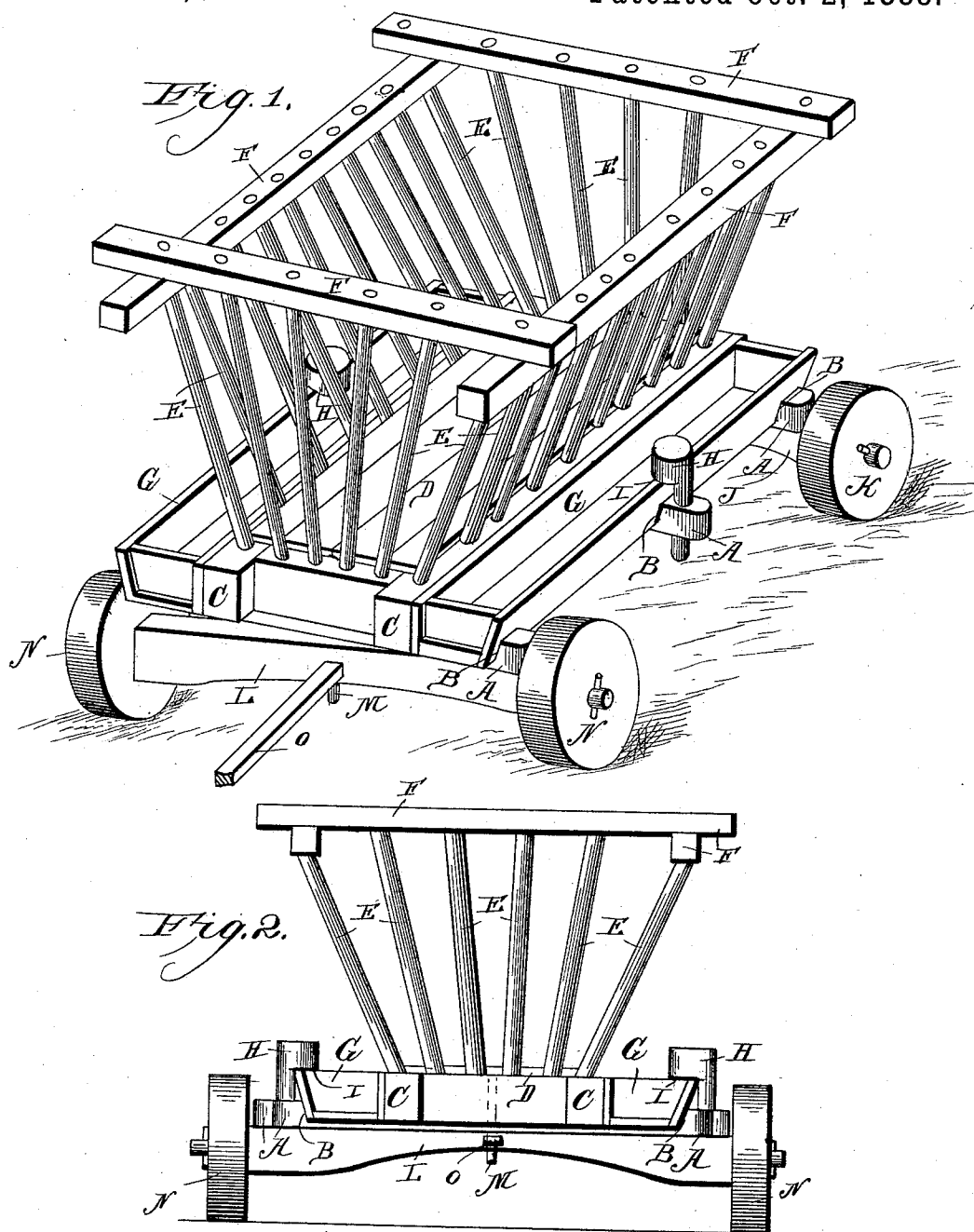
(No Model.)

D. F. SCHWARTZ.

FEED RACK.

No. 390,259.

Patented Oct. 2, 1888.



Witnesses
Henry G. Dietrich
J. W. Bishop

Inventor
D. F. Schwartz
By *his* Attorneys
C. A. Snowdon

UNITED STATES PATENT OFFICE.

DANIEL F. SCHWARTZ, OF LIBERTY, ILLINOIS.

FEED-RACK.

SPECIFICATION forming part of Letters Patent No. 390,259, dated October 2, 1888.

Application filed April 27, 1888. Serial No. 272,089. (No model.)

To all whom it may concern:

Be it known that I, DANIEL F. SCHWARTZ, a citizen of the United States, residing at Liberty, in the county of Adams and State of Illinois, have invented certain new and useful Improvements in Feed-Racks; and I do hereby declare the following to be a full, clear, and exact description thereof, such as will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon.

My invention relates to improvements in feed-racks; and it consists in certain novel features, hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of my improved feed-rack, and Fig. 2 is an end view of the same.

Referring to the drawings by letter, A designates cross-bars of suitable size and material, having in their upper sides near their ends the recesses B B. Upon the upper sides of these cross-bars I secure the transverse and longitudinal beams or bars C C, forming the base of the rack, and the boards D, forming the floor of the same. Secured in and projecting upward from the beams or bars C C are the rack-bars E, which may be arranged either vertically or at an outward inclination. The upper ends of the rack-bars are connected by the rails F, which give rigidity to the structure.

G G designate small troughs, which are seated in the recesses B in the cross-bars A, and are removably held therein by the turn-buttons H, journaled in the ends of the central cross-bars, A, and having enlargements or shoulders I at their upper ends, which engage over the ends of the troughs.

To the under side of the rear cross bar, A, I rigidly secure an axle, J, having carrying-wheels K mounted on its ends, and a similar

axle, L, is pivoted centrally to the front cross-bar by a king-bolt, M, and provided with carrying-wheels N. A tongue or draw-bar, O, is secured to the said front axle, L, in any desired manner, to facilitate the moving of the device from place to place.

From the foregoing description, taken in connection with the accompanying drawings, it will be seen that I have provided a very simple and efficient feed-rack, which can be easily moved from place to place as may be desired. The hay, straw, or other grain is placed in the rack and the animals feed therefrom, drawing the grain through the spaces between the rack-bars. The troughs are used to hold water or fine grain, and may be quickly removed when not needed by simply turning the turn-buttons outward and then lifting the troughs from their seats.

The device is very simple, and its advantages are thought to be obvious.

Having thus described my invention, I claim—

The improved feed-rack herein described and shown, comprising the cross-bars A A A, having recesses B in their upper sides near their ends, the troughs seated in said recesses, the turn-buttons mounted in the ends of the central cross-bar and engaging the troughs, the beams C C, secured on the cross-bars A A, the rack-bars secured in and projecting upwardly from the beams C C, the axle J, secured rigidly to the rear cross-bar, A, and provided with wheels K, the axle L, pivoted to the front cross-bar and provided with rollers N, and the tongue secured to the axle L, substantially as specified.

DANIEL F. SCHWARTZ.

Witnesses:

C. WARREN SCOTT,
GEO. W. CYRUS.