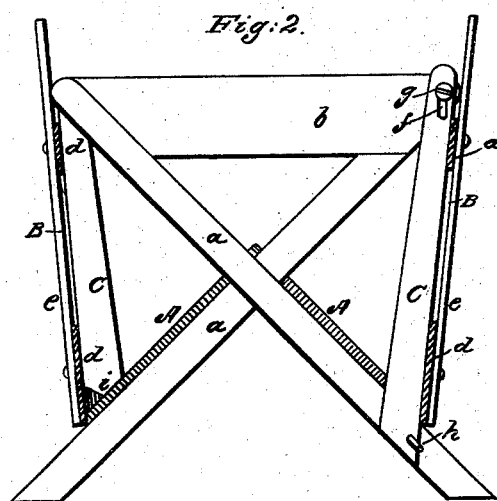
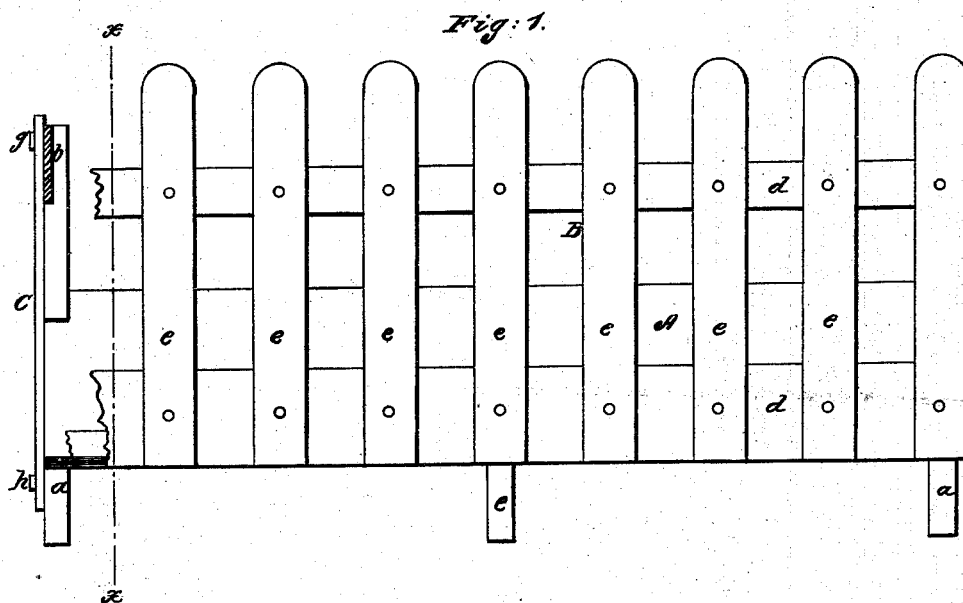


C. M. HICKS.

Sheep Rack.

No. 49,403.

Patented Aug. 15, 1865.



Witnesses:
Wm. J. Brown
Phos. Tusch

Inventor:
C. M. Hicks
per Munn & Co.
 Attorneys.

UNITED STATES PATENT OFFICE.

CHAS. M. HICKS, OF RUSHVILLE, NEW YORK.

IMPROVEMENT IN SHEEP-RACKS.

Specification forming part of Letters Patent No. **49,403**, dated August 15, 1865.

To all whom it may concern:

Be it known that I, CHARLES M. HICKS, of Rushville, in the county of Yates and State of New York, have invented a new and Improved Sheep-Rack; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side view of my invention, partly in section; Fig. 2, a transverse vertical section of the same, taken in the line *xx*, Fig. 1.

Similar letters of reference indicate corresponding parts.

This invention consists in a novel manner of constructing the rack, as hereinafter fully shown and described, whereby a cheap and durable rack is obtained, and one which affords great facilities for cleaning.

The framing of the rack is composed of two end pieces formed of two bars, *a a*, which cross each other and have their upper ends connected by a strip, *b*. A central lower part composed of two bars, *c*, corresponding to the lower parts of the bars *a a* of the end pieces below their point of intersection, is also used. The lower part of one of these bars *c* is shown in Fig. 1.

A A are two boards, the ends of which are secured to the bars *a a* below their points of intersection, and are secured at their centers to the upper parts of the bars *c c*. The boards *A A* meet at their upper edges and form the bottom of the rack or troughs.

B B are the sides of the rack, which are composed of two parallel strips, *d d*, having vertical slats *e* secured to them at equal and suitable distances apart. These sides *B B* have

end strips, *C*, attached to them, which lap over the end pieces of the rack, and have vertical oblong slots *f* made in their upper parts, through which screws *g* pass into the strips *b*. These slots *f* admit of the sides *B* being raised and lowered to a certain extent, so that the lower ends of the strips *C* may be fitted in hooks *h* attached to the outer sides of the bars *a* of the end pieces and raised out from the same. (See Fig. 2.) The lower parts of the lower strips, *d*, of the sides of the rack have beveled strips *i* attached, which, when the sides *B* are closed, fit over the lower parts of the bottom boards, *A A*.

From the above description it will be seen that by opening the sides *B B* the rack will clean itself of all refuse hay, litter, &c., leaving it in a condition for feeding grain of any kind. The strips *C*, when the sides *B B* are down, form the ends of the troughs.

This rack may be constructed at a small cost and in a strong substantial manner. There is in reality no trouble whatever in cleaning it.

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

1. The sides *B B*, attached to the framing, substantially as shown, to admit of swinging outward from the lower edges of the boards *A A*, and also of being raised and lowered to admit of being fastened to and unfastened from the rack, as described.

2. The end pieces, *C*, in connection with the sides *B*, to form the ends of the troughs when the sides are down or in a closed state.

CHAS. M. HICKS.

Witnesses:

GEO. W. STEARNS,
M. B. FLINN.