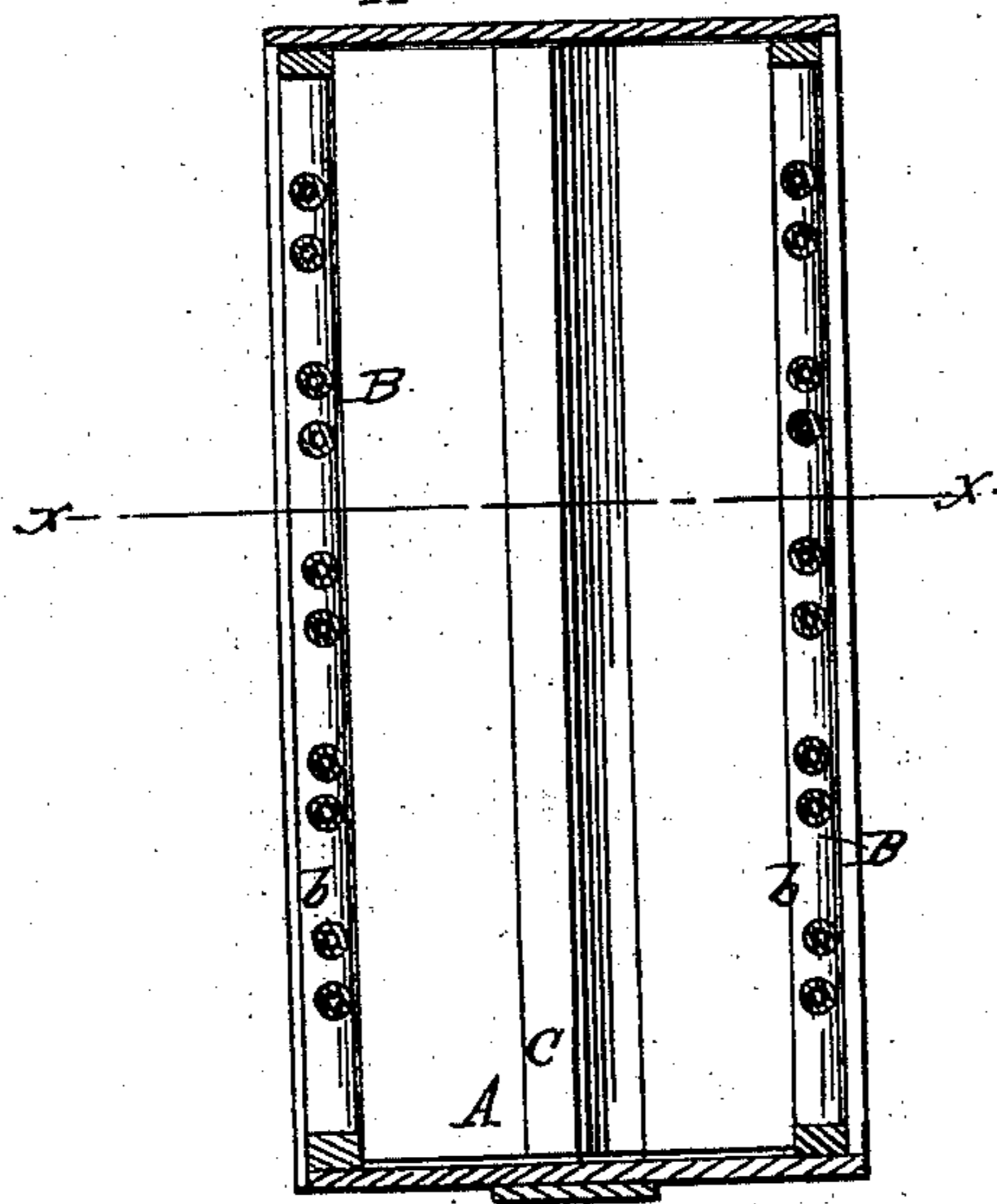
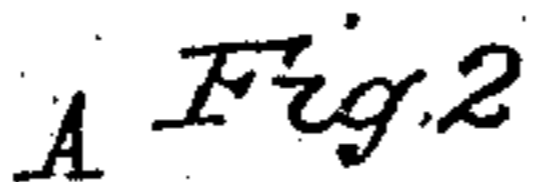


Sheep Rack.

Patented Aug. 27, 1867



Witnesses.
Thos. Fische
Jm. Freeman

Inventor:
J. S. Beals
Per Munnell
Attorneys

United States Patent Office.

J. S. BEALS, OF ALABAMA CENTRE, NEW YORK.

Letters Patent No. 68,151, dated August 27, 1867.

IMPROVEMENT IN SHEEP-RACK.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, J. S. BEALS, of Alabama Centre, in the county of Genesee, 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 represents a vertical cross-section of my improved sheep-rack, the plane of section being indicated by the line *z z*, fig. 2.

Figure 2 is a horizontal sectional view of the same, the plane of section being indicated by the line *y y*, fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to certain improvements in the construction and arrangement of the sheep-rack for which Letters Patent were granted to me on the twenty-fourth day of October, 1865.

The improvements consist in such an arrangement of the feed-board and the board which is hinged thereto, that with a less amount of boards, and with simpler construction of the parts, the same and better results can be obtained than by the sheep-rack described in my aforesaid Letters Patent.

The end-pieces A A, the rotating standards B B, which are fitted between the rails *a a* and the straps *b b*, the central raised ledge C, and the feed-boards D, which are secured upon cleats *d d*, that are fitted loosely on the rails *a*, so as to turn thereon, are all as described in the aforesaid Letters Patent. The cleats *d d* are extended beyond the outer edge of the feed-board D, as shown in fig. 1. To the outer edge of each board D is hinged, by means of metallic or leather hinges *e e*, a board, E, which is longer than the space between the end-pieces A A. When the feed-boards D are turned in, as shown on the right-hand side of fig. 1, they form a hopper for retaining hay or straw, while the boards E rest upon the upper inclined edges of the end-pieces A, forming a roof for the food. When it is desired to dispense with the hopper the boards D are raised so as to form the roof of the rack, and the boards E are made to rest upon the cleats *d*, as is shown on the left-hand side in fig. 1, thereby forming a cover and protection for the sheep. The boards D are prevented from being tipped up by the greater weight of the overhanging roof by two pins *e e*, which are passed through the boards A, as shown in fig. 1.

When these pins are withdrawn the weight of the boards E will bring both the boards D and E into a vertical position, as is clearly shown by red lines on the left-hand side of fig. 1. The sheep are thereby excluded from the rack, and the latter can be swept or refilled.

When the hopper is formed by the boards D the boards E can be turned up so as to rest upon the ends of the cleats, as is shown by red lines on the right-hand side of fig. 1. A very large but open hopper is thus formed.

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

1. So hinging the boards D and E together, and combining them with hinged cleats *d d*, that a sheep-rack can be formed with either an open or covered hopper, or one that is provided with a cover for the sheep, and with an open feed-rack, or which can be closed for the sheep, if desired, all as set forth.

2. Extending the cleats *d d*, so as to form supports for the boards E E, and connecting the boards D and E at their edges, substantially as set forth.

3. The boards D and E, cleats *d d*, revolving standards B, and pieces A, rails *a*, and pins *e*, in combination with each other, all made and operating substantially as herein shown and described.

J. S. BEALS.

Witnesses:

J. W. HOLMES,
JOSEPH HOLMES.