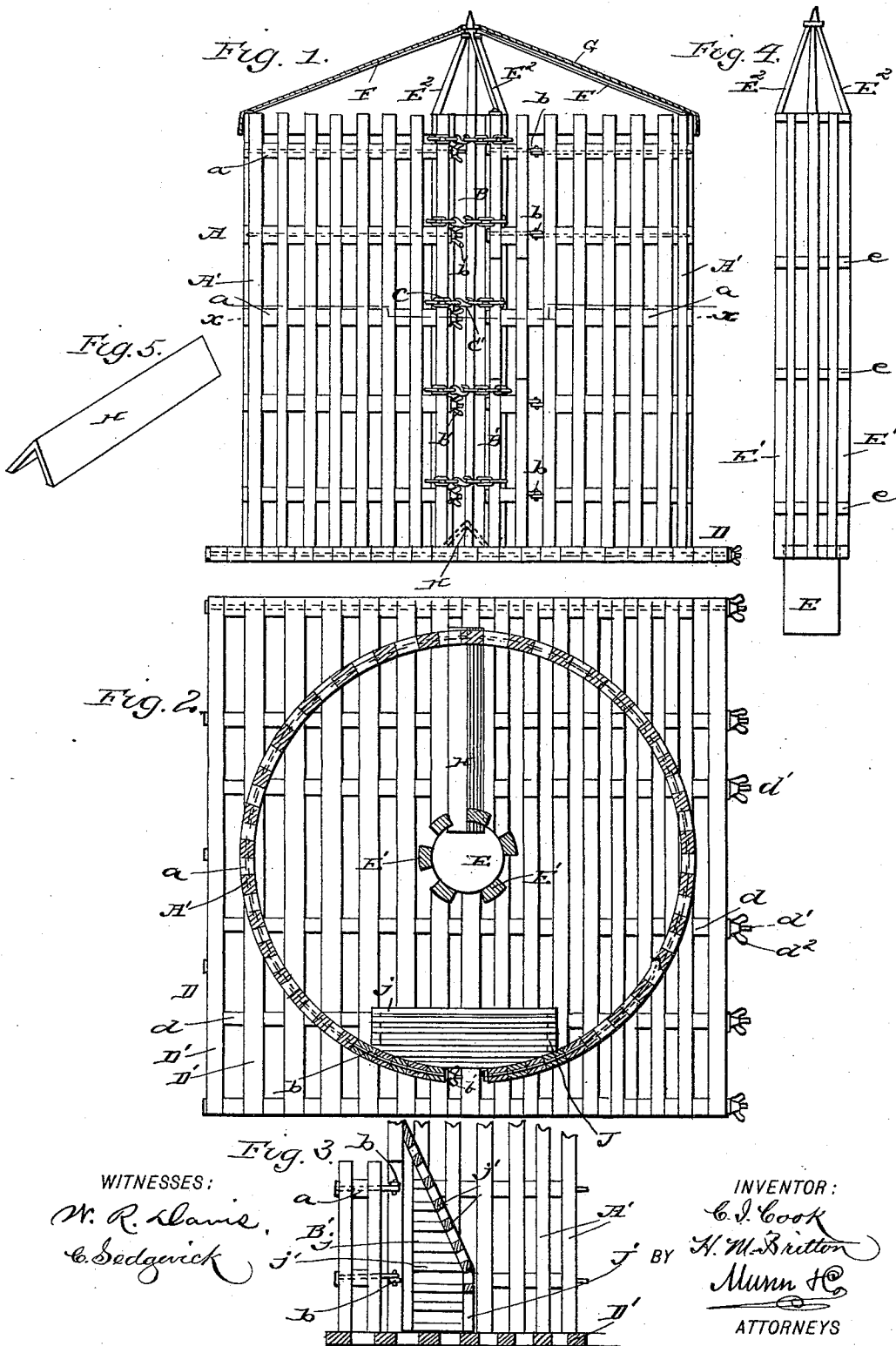


(No Model.)

C. I. COOK & H. M. BRITTON.
PORTABLE CORN CRIB.

No. 450,505.

Patented Apr. 14, 1891.



WITNESSES:
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CHARLES IRA COOK AND HENRY M. BRITTON, OF ODEBOLT, IOWA, ASSIGNORS TO THEMSELVES AND ALBERT E. COOK, OF SAME PLACE.

PORTABLE CORN-CRIB.

SPECIFICATION forming part of Letters Patent No. 450,505, dated April 14, 1891.

Application filed July 7, 1890. Serial No. 357,974. (No model.)

To all whom it may concern:

Be it known that we, CHARLES IRA COOK and HENRY M. BRITTON, both of Odebolt, in the county of Sac and State of Iowa, have invented a new and Improved Portable Corn-Crib, of which the following is a full, clear, and exact description.

Our invention relates to improvements in portable corn-cribs, and is intended as an improvement on the corn-crib for which Letters Patent No. 426,714 of the United States were granted to us April 29, 1890.

The object of our improvement is to make the crib more substantial, to provide more thorough means of ventilation, and to provide means whereby the crib may be more easily filled or emptied.

To this end our invention consists in certain features of construction and combinations of parts, which will be fully described hereinafter, and specifically pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of the device. Fig. 2 is a horizontal cross-section on the line $x x$ of Fig. 1. Fig. 3 is a broken detail view, partly in section, showing the lower door open and the rack in position to guard the door. Fig. 4 is a detail side elevation of the ventilator, and Fig. 5 is a detail perspective view of the trough for connecting the lower end of the ventilator with the outer air.

The body A of the crib is cylindrical in form, and is composed of a series of vertical slats A', as shown in our former patent above referred to; but instead of connecting the slats by wires, suitable blocks a are placed between every two slats a convenient distance apart and cables b are passed through the slats and blocks, said cables having at one end a suitable nut or head, and having at the other end a suitable thumb-nut b' , so that by manipulating the nut the slats A' may be tightened or loosened. The body is held together in the manner described in our former patent—that is, by chains c , having suitable hooks c' , the chains being passed around the two outer slats of the body. A

door B opens through the upper portion of the body, said door being formed by sawing off two of the slats A', connecting said severed portions together, and hinging them to the adjacent slats. In carrying out this idea any suitable hinges may be employed, or the door may be allowed to swing on the cables. A similar door B' is arranged in a similar manner in the lower portion of the crib, and other doors may be provided if necessary or desirable. The body portion A is mounted vertically upon a suitable floor D, composed of parallel slats D', having suitable blocks d between them, and having rods d' extending transversely through the slats and provided with suitable thumb-nuts d'' , by means of which the slats may be tightened together. It is obvious that instead of rods cables may be used, or the slats may be attached together in any convenient way.

A post E is planted in the ground so as to extend vertically through the floor D, and secured to the upper end of the post are the vertical slats E', which are separated by suitable blocks e , and which extend upwardly through the body A of the crib, thus forming a convenient ventilator. The ventilator is surmounted by a conical top formed by the converging pieces E², which forms a convenient support for the crib-cover. The top of the ventilator is connected with the top of the body A by suitable braces F, said braces having, preferably, a hook-and-eye connection with the ventilator-top and with the crib-body. The braces F will thus afford a convenient support for the cover G, which is made, preferably, of canvas, but may be made of any suitable material, and which extends from the ventilator-top to the sides of the crib, being secured thereto in any convenient way. In practice we find four braces F to be a convenient number; but it is obvious that the number may be increased or diminished without departing from the principle of our invention.

An inverted-V-shaped trough H extends from the outer portion of the crib-body to the bottom of the ventilator, thus permitting the air to circulate freely through the same and afford an additional means of ventilation. It is not essential that the trough should be V-

shaped, as any suitable trough may be employed which will serve as an air-conductor.

The rack J is placed over the door B', so as to prevent the corn from falling too rapidly through the door when the door is open, the said rack being composed of the inner slats j and the side strips j'. The rack has an inwardly-inclined face and an opening J' near the bottom, the said opening being sufficiently large to permit the corn to pass through the same, so that it may be easily shoveled up.

The crib is filled with corn by shoveling the corn in at the top through the door B, and is emptied by removing the corn through the lower door B'.

While the device described above is intended chiefly for use as a corn-crib, it is obvious that it may be used for storing coal or any other article. It is advisable to use the floor D in connection with the crib; but it is obvious that the body A might be mounted directly upon the ground and be used as a crib.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. A portable crib comprising a cylindrical body formed of a series of spaced slats connected together by cables passing through them and having an upper and lower door, a ventilator formed of vertical and spaced slats secured together, a cover, and an inclined rack opposite the lower door and having an opening in its lower portion, substantially as herein shown and described.

2. An improved portable crib consisting of a slatted floor, a cylindrical body formed of a series of vertical slats, spacing-blocks and cables passing through said slats and blocks, said body being provided with doors, a ventilator formed of a post, vertical slats and spacing-blocks between the slats, a cover, an inclined rack opposite lower door and having an opening in its lower portion, and an air-conductor extending from the ventilator to the side of the crib, substantially as herein shown and described.

CHAS. IRA COOK.
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Witnesses:

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