

H. C. ROBISON.
Feeding Corn to Corn Shellers.

No. 45,862.

Patented Jan. 10, 1865.

Fig. 1,

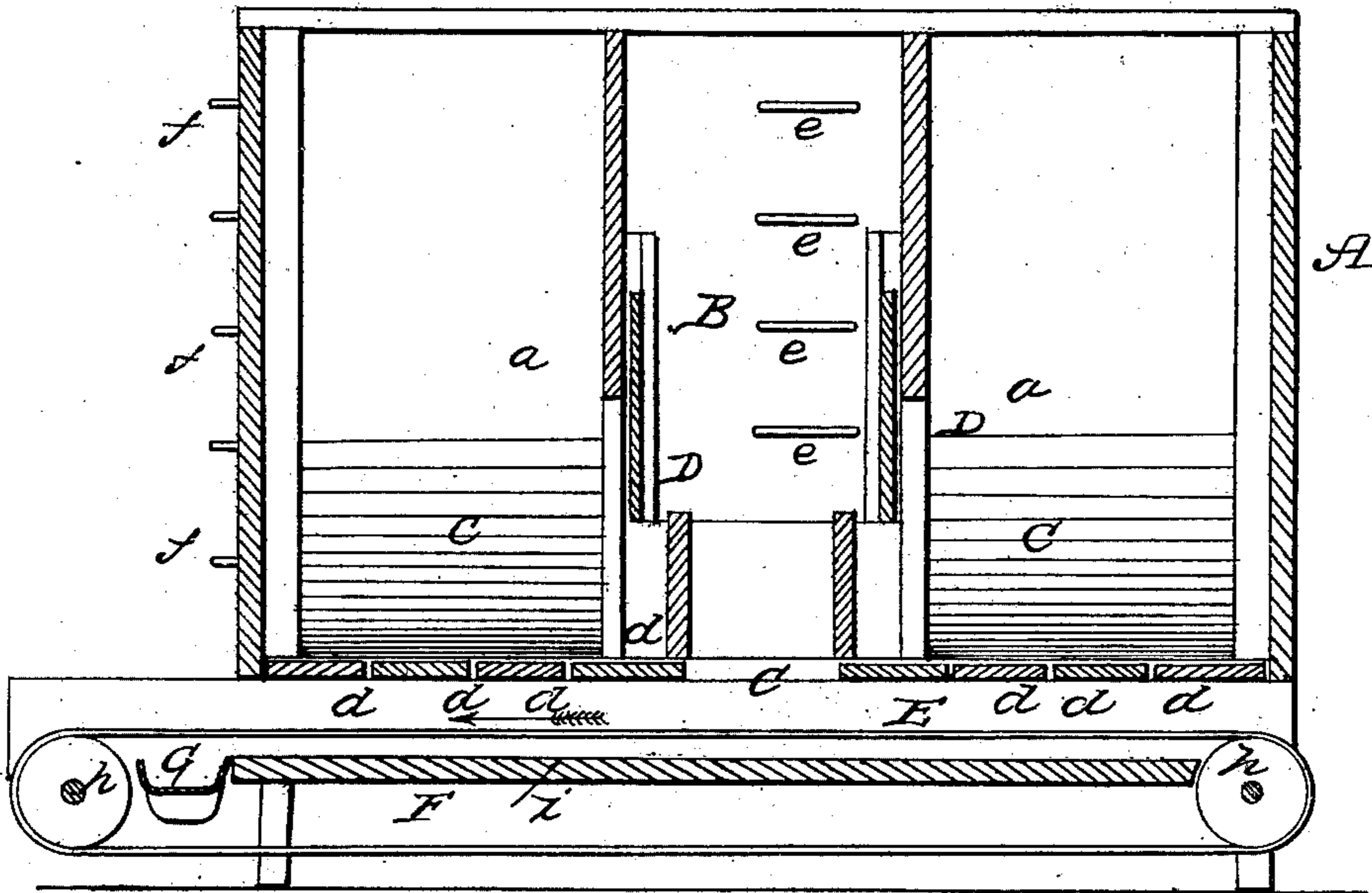
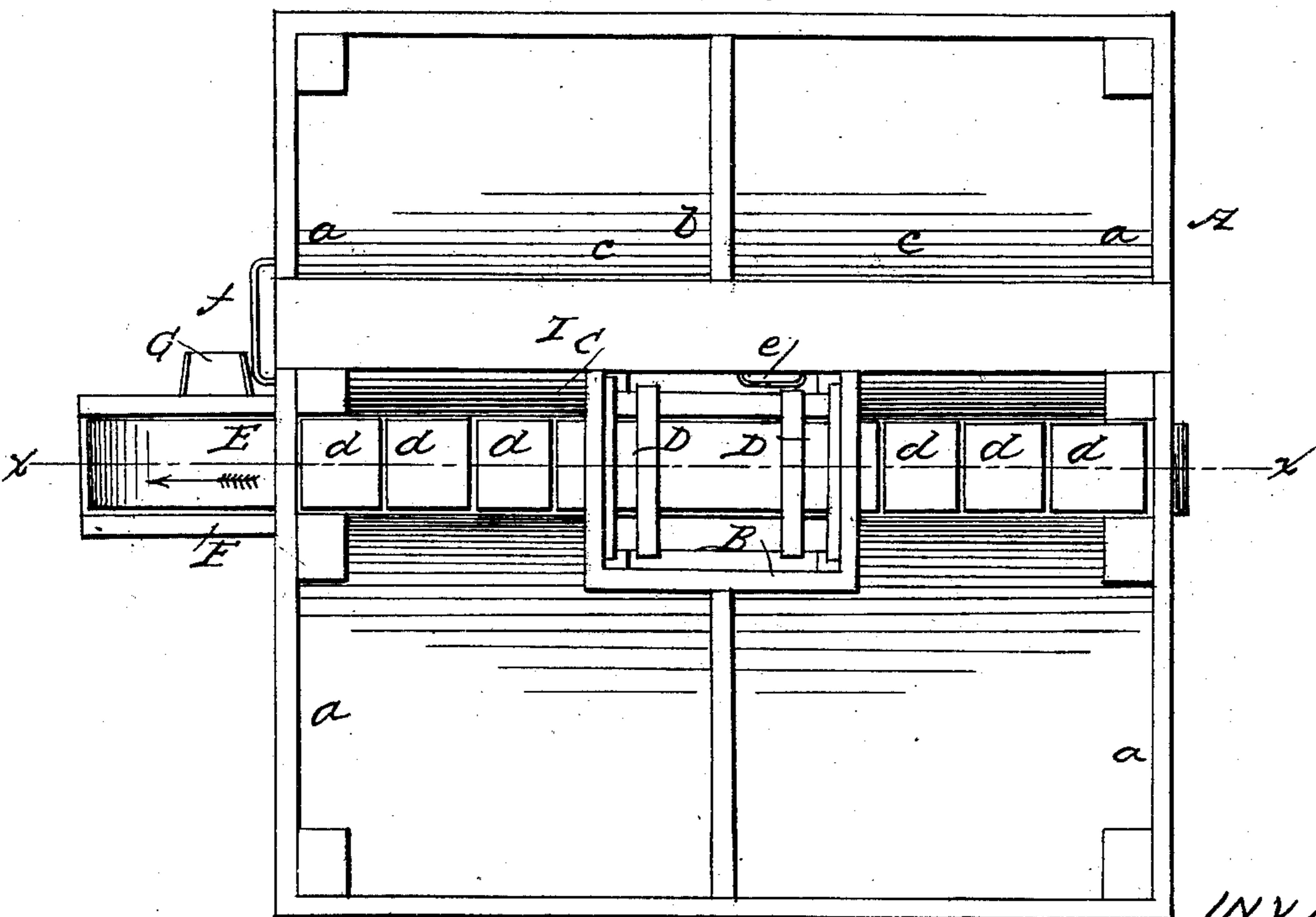


Fig. 2,



WITNESSES:
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UNITED STATES PATENT OFFICE.

H. C. ROBISON, OF MONMOUTH, ILLINOIS.

DEVICE FOR FEEDING CORN TO CORN-SHELLERS.

Specification forming part of Letters Patent No. 45,862, dated January 10, 1865.

To all whom it may concern:

Be it known that I, H. C. ROBISON, of Monmouth, in the county of Warren and State of Illinois, have invented a new and useful Improvement or Device for Feeding Corn to Corn-Shellers; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others 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 vertical central section of my invention, taken in the line *x x*, Fig. 2; Fig. 2, a plan or top view of the same.

Similar letters of reference indicate like parts.

This invention relates to a new and useful device for feeding corn to corn-shellers from cribs, so as to avoid all handling or carrying of the corn from the place where it is stored to the sheller.

The invention is more especially designed for shelling corn in large quantities for shipment from warehouses.

A represents a crib, of rectangular or other proper form, and divided into two compartments or bins, *a a*, by means of a partition, *b*, and what may be termed a "well-hole," B, the latter being a vertical chamber at the center of the crib, and extending its whole height. The bottoms *c c* of the bins *a a* are inclined downward to an opening, C, which extends the whole length of the crib, and this opening is covered by loose slats or boards, *d*, any one of which may be removed at pleasure. The well-hole B communicates with each bin *a* by means of a sliding door, D, and projections or foot-pieces *e* are attached to one of the sides of the well-hole to form a ladder to enable a person to descend therein. Similar foot-pieces, *f*, are also placed or attached to one of the sides of the crib to enable a person to ascend the same and reach the well-hole, a plank, *g*, being placed on the top of the crib for the person to walk on to the well-hole.

At the under side of the crib A, and directly under the opening C, there is an endless apron or carrier, E, which works within

a box, F, over pulleys *h h* at each end of the box, (see Fig. 1,) the bottom *i* of the box being between the upper and lower parts of the apron or carrier. At one end of the bottom *i* there is an inclined spout, G.

The operation is as follows: The bins *a a* are filled with the ears of corn, and the attendant passes down into the well-hole B, and by raising the doors D removes one of the slats or boards *d* at the bottom of each bin *a*, so as to admit the ears of corn passing down on the endless apron or carrier E, which is moved in the direction indicated by the arrows, and conveys the ears of corn to the sheller, the apron or carrier being operated by any convenient power.

In order to insure the ears of corn being discharged from any parts of the bin, the removable slats *d* are used. When one part of a bin gets low, the slat *d* originally removed is replaced and another slat removed. Thus all the ears may be discharged from the bin and corn taken from either one of the bins, as may be desired.

It will of course be seen that the crib A may be of any required size, and divided into more than two compartments or bins, if necessary or desired, and these bins may contain the corn of different owners, and the corn of any particular bin in the crib may be discharged or conveyed to the sheller, though all the other bins may be full.

The invention has been practically tested, and has been found to answer a good purpose, effecting a great saving in labor.

The spout G is for the purpose of discharging loose or shelled corn from the box F. This corn drops upon the bottom *i* of the box F, and is carried along by the apron or carrier E to the spout G, the under side of the apron E being sufficiently rough for the purpose or having their cleats or strips attached to it to effect that end.

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

1. The employment or use of an endless apron or carrier, in connection with a crib or corn receptacle provided with removable slats or boards *d* at its bottom, substantially and for the purpose herein set forth.

2. A crib or crib or corn receptable divided into a series of compartments and provided with a well-hole, arranged as shown, when used in connection with the endless apron or carrier and the removable slats, substantially as described.

or carrier E, with the bottom *i* of the box F and the spout G, for the purpose of carrying off the loose or shelled corn, as set forth.

H. C. ROBISON.

Witnesses:

WM. H. RANKIN,

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3. The arrangement of the endless apron