

M. H. BORUCH.

DRIER.

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1,064,436.

Patented June 10, 1913.

Fig. 1.

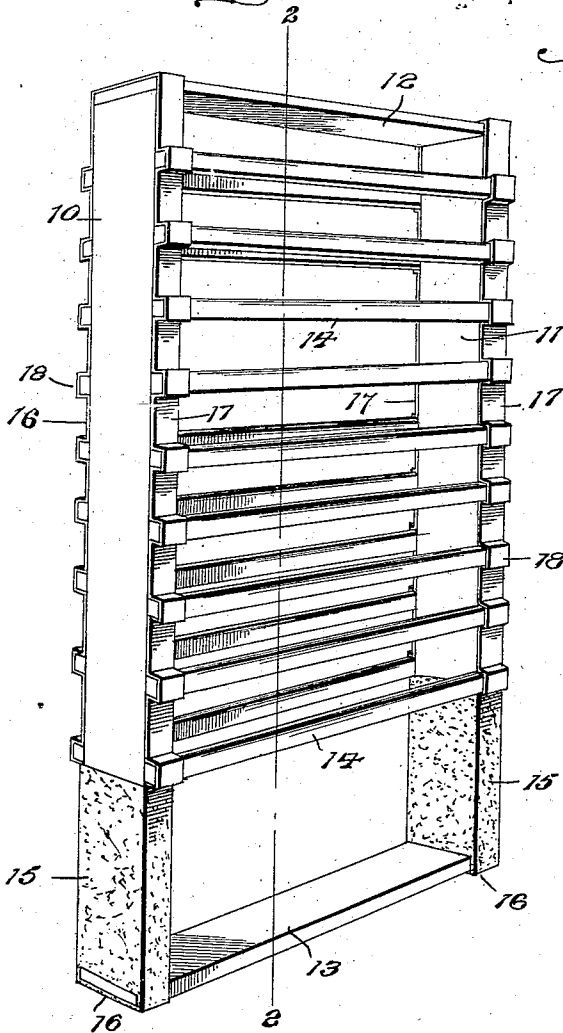


Fig. 2.

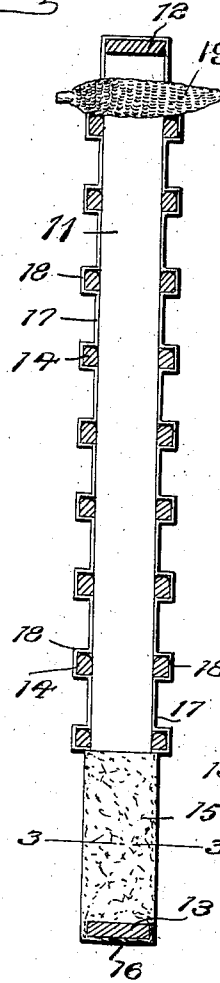
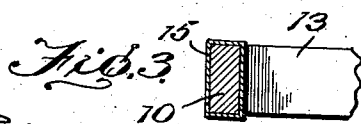
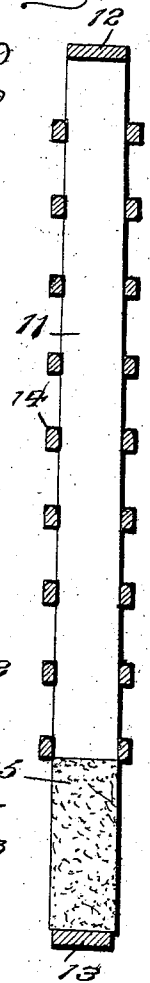


Fig. 4.



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DRIER.

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To all whom it may concern:

Be it known that I, MARY H. BORUCH, citizen of the United States, residing at Elba, in the county of Howard and State of Nebraska, have invented certain new and useful Improvements in Driers, of which the following is a specification.

This invention relates to improvements in driers, more particularly to devices of this character employed for drying corn on the ear to prepare the same for seed, and has for one of its objects to simplify and improve the construction and increase the efficiency and utility of devices of this character.

Another object of the invention is to provide a simply constructed device which may be increased or decreased in size without material structural change other than to increase the size of the parts.

Another object of the invention is to produce a simply constructed device which may be "knocked down" for transportation or storage.

With these and other objects in view the invention consists in certain novel features of construction as hereinafter shown and described and then specifically pointed out in the claims, and in the drawings illustrative of the preferred embodiment of the invention.

Figure 1 is a perspective view of the improved device. Fig. 2 is a vertical section on the line 2—2 of Fig. 1. Fig. 3 is a transverse section on the line 3—3 of Fig. 2. Fig. 4 is a view similar to Fig. 2, illustrating a modification in the construction.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The improved device may be constructed of any required size or capacity, and of any suitable material, and it is not desired to limit the invention in this respect.

The improved device may be constructed wholly of wood or wholly of metal or partly of wood and partly of metal, and comprises vertical side members or standards 10—11, a transverse head member 12, a transverse foot member 13, and transverse slats or bars 14 spaced apart and arranged in pairs. The members 10—11—12—13 may be of any required size, but the sides 10—11 should be about four inches wide when employed

for drying corn in the ear, and may be of any required thickness.

At their lower ends the members 10—11 are inclosed in sheathings 15 of sheet metal, glass, mouse and rat proof paint, or the like, or other suitable material which will repel 60 rats, mice and other vermin. The lower ends of the sheathing members 15 are formed into sockets 16 to receive the ends of the base member 13.

Attached to the side edges of the members 10—11 are strips 17 of sheet metal or the like and bent at spaced intervals into sockets 18 to receive and support the terminals of the bars 14, as shown. The strips 17 are preferably continuous, and extend over the 70 ends of the head member 12 and thus form sockets to receive and support the head member. By this means the bars 14, head member 12 and base member 13 are firmly supported and likewise readily separable 75 for transportation and storage. By this arrangement also the device may be increased or decreased in size and capacity by increasing or decreasing the lengths of the horizontal members 12—13 and 14 and 80 without change in the vertical members.

When the device is constructed of metal the parts 17 will be riveted or otherwise secured to the side members, and when the bars are constructed of wood the parts 17 85 will be secured by nails, screws, or other similar suitable fastening devices.

The members 14 may be of any required size, but will preferably be rounded upon their upper edges as shown. 90

The improved device is simple in construction, can be inexpensively manufactured and provided with any required number of the supporting slats or bars to increase or decrease the capacity. The ears 95 of corn, one of which is represented at 19, will be located upon the bars or slats and are spaced slightly apart so that the air circulates around each ear, consequently each ear will be dried uniformly and completely. 100

Any required material may be employed for the sheathing 15, such as mouse-proof paint, iron paint, glass, or any other material which will repel mice, rats, and other 105 vermin.

In Fig. 4 the improved device is shown with the bars 14 connected directly to the

sides 10—11, which arrangement may be employed if preferred.

Having thus described the invention, what is claimed is:

5 1. A drier device comprising a frame including vertical side members spaced apart, strips engaging the edges of the side members and bent into sockets at spaced intervals, and horizontal supporting members
10 spaced apart and arranged in pairs and engaging in the sockets of the strips.

2. A drier device comprising a frame including vertical side members spaced apart, strips engaging the edges of the side members and bent into sockets at spaced intervals and extending at their upper ends over
15 the side members to form receiving sockets

above the same, horizontal supporting members spaced apart and arranged in pairs and engaging in the sockets of the strips, ver- 20 min-proof checking members upon the side members below the lower supporting members and extending below the side members to form sockets beneath the same, a base member received at its ends in the sockets 25 of the sheathing members, and a head member received at its ends in the sockets above the side members.

In testimony whereof I affix my signature in presence of two witnesses.

MARY H. BORUCH. [L. s.]

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."