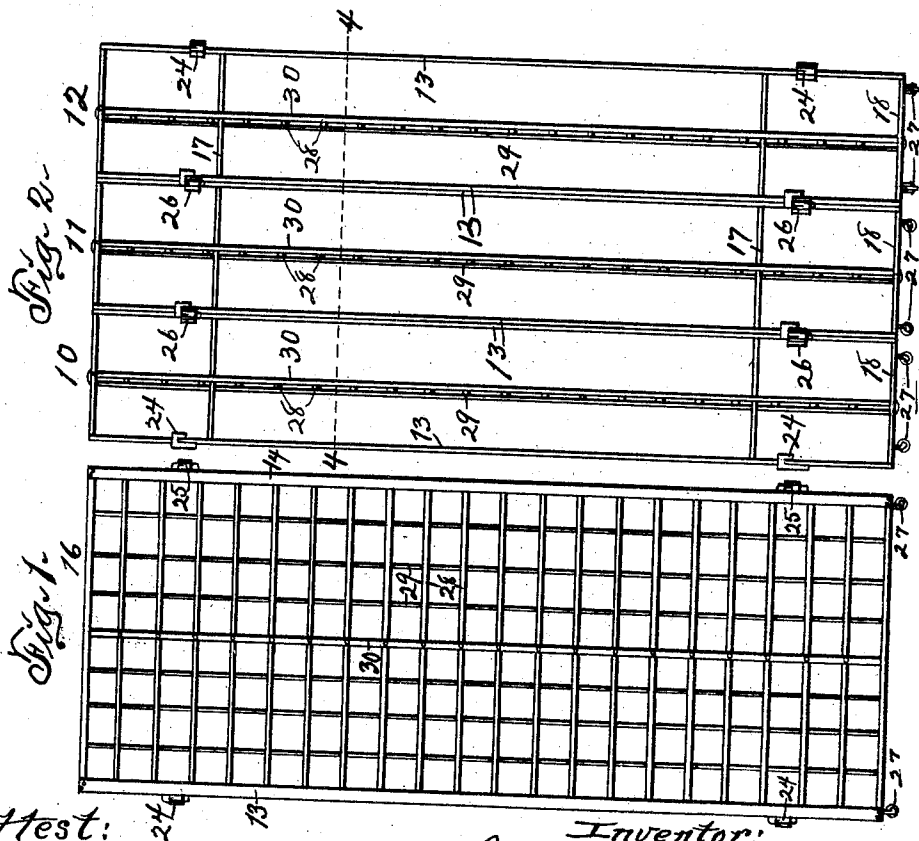
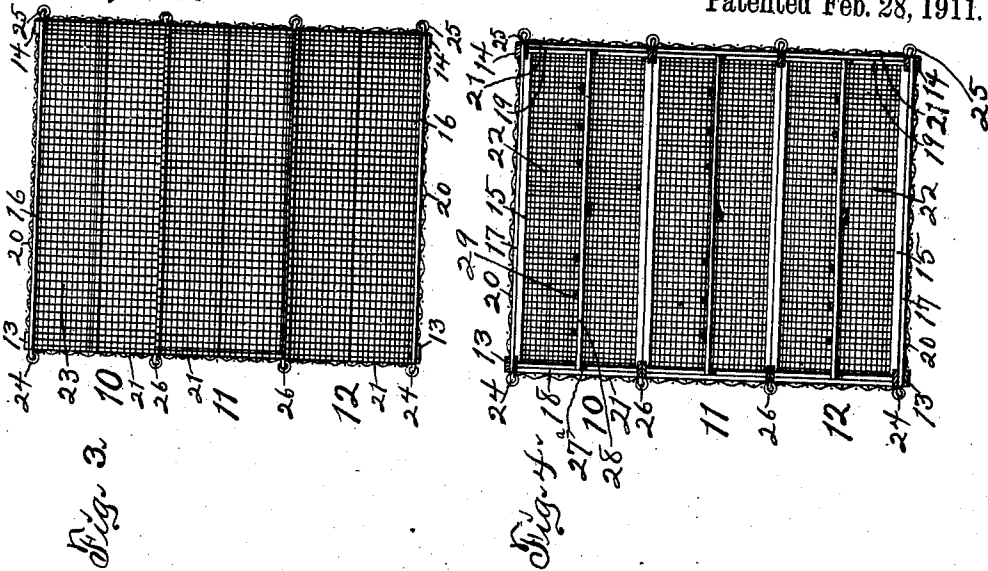


SEED CORN DRIER AND HANGER.
APPLICATION FILED APR. 12, 1910.

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985,230.



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UNITED STATES PATENT OFFICE.

JAMES A. TRIMBLE, OF FARRAR, IOWA.

SEED-CORN DRIER AND HANGER.

985,230.

Specification of Letters Patent.

Patented Feb. 28, 1911.

Application filed April 12, 1910. Serial No. 555,529.

To all whom it may concern:

Be it known that I, JAMES A. TRIMBLE, a citizen of the United States of America, and resident of Farrar, Polk county, Iowa, have invented a new and useful Seed-Corn Drier and Hanger, of which the following is a specification.

The object of this invention is to provide an improved construction for seed corn racks and hangers.

A further object of this invention is to provide means for adjusting the capacity of a seed corn rack and hanger by constructing the same in interchangeable sections or duplicate members susceptible of expansion and contraction at will.

A further object of this invention is to provide improved means for protecting a seed corn rack or hanger from the depredations of rodents.

A further object of this invention is to provide means for opening, closing and supporting multiple seed corn racks relative to each other.

My invention consists in the construction, arrangement and combination of elements hereinafter set forth, pointed out in my claims and illustrated by the accompanying drawing, in which,—

Figure 1 is a front elevation of the device, the inclosing screens being removed. Fig. 2 is an elevation at right angles to Fig. 1, the inclosing screens being removed. Fig. 3 is a plan of the device constructed of three separable sections. Fig. 4 is a cross-section on the indicated line 4—4 of Fig. 2, also showing the device with inclosing screens and composed of three separable sections.

In the construction of the device as shown a plurality of skeleton cabinets are employed and each cabinet is composed generally of a prismatic wooden frame. Each prismatic wooden frame is built up and constructed of rectangular wooden frames. The cabinets or prismatic wooden frames are designated generally by the numerals 10, 11, 12.

The cabinet 10 is composed of an outer frame having stiles 13, 14, a bottom bar 15, a top bar 16 and one or more intermediate bars 17, all rigidly connected; an inner frame identical in construction with the outer frame; and cross-bars 18, 19 arranged horizontally and connecting the outer and inner frames. A sheet 20 of woven wire is mounted on and covers the outer face of the outer frame. Sheets 21 of woven wire are mount-

ed on and cover the vertical faces of the cabinet 10 at right angles to the sheet 20. A sheet 22 of woven wire is mounted on and covers the lower end of the cabinet 10. A sheet 23 of woven wire is mounted on and covers the top end of the cabinet 10. The stiles 13, 14 and cross-bars 15, 16, 17 of the outer frame of the cabinet 10 may be made in duplicate, the outer set thereof carrying the screen wire sheet 20; said outer set being connected by separable hinges 24, 25. This is the way the construction is shown in the drawing and under such construction the outer set and screen wire constitutes a screen door for the front of the cabinet 10, the inner frame or face of said cabinet being open. The stiles of the inner frame of the cabinet 10 are provided with members of separable hinges 26. The bottom cross-bars 18 of the cabinet 10 are provided with casters 27 adapted to support the cabinet in vertical position on a floor.

The cabinet 12 is an exact counterpart of the cabinet 10 and is arranged with its open or skeleton face parallel with the open or skeleton face of the first cabinet.

The stiles of the inner frames of the cabinets 10, 12 may be connected by separable hinges 26 thereon and when so connected constitute a double case or rack composed only of the two cabinets. It is to be understood that the hinges 26 serve as latches or hinges. For instance when two cabinets are connected on opposite sides by the separable or loose-pin hinges 26, such connection is rigid and partakes of the characteristics of latches; but when the hinges on one side are separated, by removal of the pins thereof, the hinges on the other side serve as articulating means between the cabinets.

The cabinet 11 is identical in construction with either cabinet 10, or 12 except that it is not provided with the sheet of screen wire 20 on either broad frame. The cabinet 11 or any multiple thereof is adapted to be mounted between cabinets 10, 12 and be secured thereto by separable hinges 26 on each vertical corner. The device or apparatus may be expanded to any desired extent by interposing multiples of the cabinet 11 between primary cabinets 10, 12.

Each of the cabinets 10, 11, 12 and any multiple of the cabinet 11 is constructed with a central rack fixed to and supported by the cross-bars 18. The central rack is composed of stiles 27^a vertically crossing and

fixed to the central portions of the cross-bars 18, horizontal spaced cross-bars 28, and vertical spaced rods 29. The stiles 27^a preferably are made of wood. The cross-bars 28 preferably are made of wood and are rigidly connected at their ends to the stiles 27^a. The vertical rods 29 preferably are made of wire strung through registering holes in the cross-bars 28. The central rack also preferably is provided with a mullion 30 to which the central portions of the wooden cross-bars 28 are connected rigidly. The cross-bars 28 and vertical rods 29 preferably are spaced from each other and from the rails and mullion distances approximating to the diameters of ears of corn, thus providing checkered spaces adapted to receive and support ears of seed corn in approximately horizontal parallel positions.

In practical use there are employed as many of the cabinets 10, 11, 12 as may be desired to accommodate the quantity of seed corn to be stored during the operation of curing, and it is desirable to load the racks of the cabinets successively throughout the series. When the various cabinets have been loaded or packed with the seed corn in the checkered spaces of the racks thereof and have been closed and latched together by the separable hinges shown, the seed corn is protected by the sheets of screen wire from depredations of rodents or fowls and at the same time is subject to free circulation of air through the cabinets. Such arrangement also provides for separating the ears of corn so that neither of them contacts with any other ear, thus avoiding the possibility of mold or decay by reason of such contact.

Either cabinet 10 or 12 may be opened for inspection removal or replacement of seed corn by unlatching hinges 24 or 25 and swinging the outermost screened frame into open position. Access may be had to either cabinet 11 by unlatching hinges 26 at one side and swinging the cabinet 10 or 12 or a

combination of either of such cabinets with intermediate cabinets 11 through an arc on a vertical axis. Thus is provision made for inspecting, testing, removing, substituting, replacing, or introducing any ear of corn in any cabinet readily and conveniently.

I claim as my invention—

1. A seed corn drier and hanger, comprising a plurality of prismatic screened cabinets, each cabinet provided with an intermediate rack having checkered spaces, and means for hinging and latching said cabinets together.

2. A seed corn drier and hanger, comprising a plurality of prismatic screened cabinets, each cabinet provided with an intermediate rack having checkered spaces, and means for hinging and latching said cabinets together, each cabinet provided with supporting casters.

3. A seed corn drier and hanger, comprising primary prismatic cabinets, each primary cabinet having screens on its outer faces and open on one inner face, an intermediate prismatic cabinet screened on its outer faces and open on parallel inner faces, each cabinet having an intermediate seed corn rack, and means for detachably connecting said cabinets.

4. A seed corn drier and hanger, comprising primary prismatic cabinets, each primary cabinet having screens on its outer faces and open on one inner face, an intermediate prismatic cabinet screened on its outer faces and open on parallel inner faces, each cabinet having an intermediate seed corn rack, and means for detachably connecting said cabinets, each cabinet provided with supporting casters.

Signed by me at Farrar, Iowa, this 14th day of March, 1910.

JAMES A. TRIMBLE.

Witnesses:

EARL M. SINCLAIR,
F. O. MORGAN.