

C. NAEGELEN.
 AUXILIARY REFRIGERATOR DOOR.
 APPLICATION FILED JUNE 26, 1911.

1,046,400.

Patented Dec. 3, 1912.

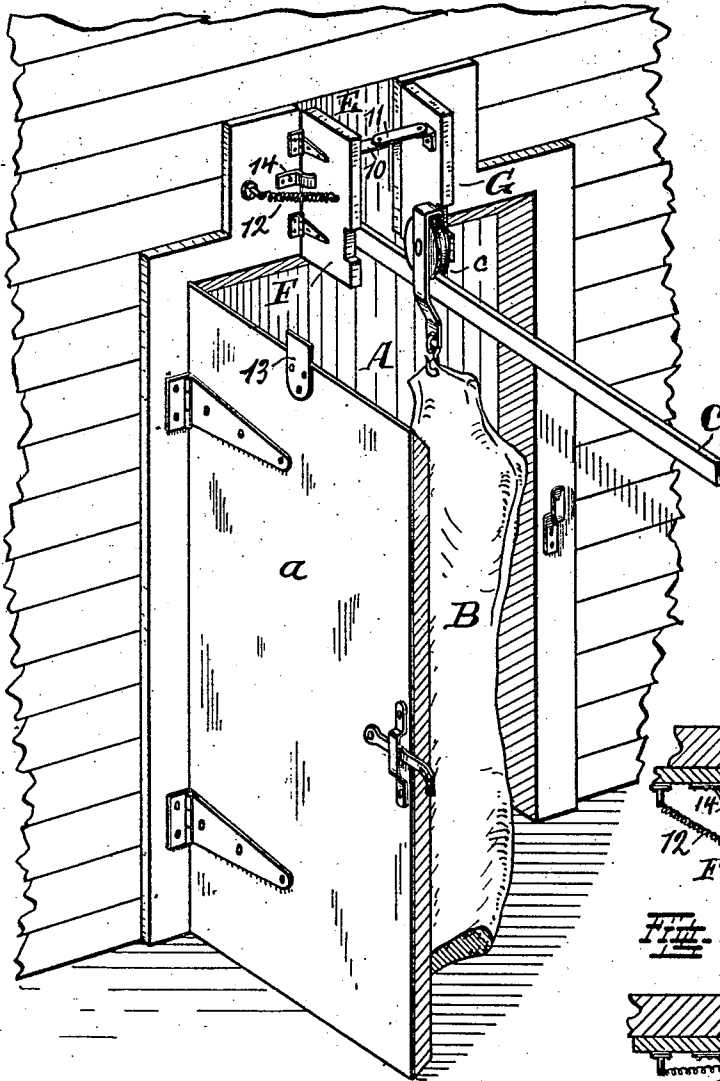


Fig. 1.

Fig. 2.

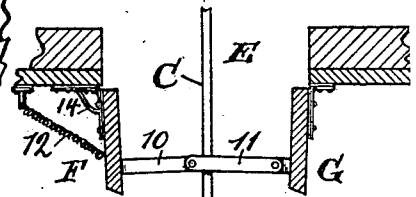
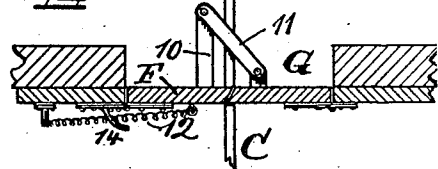


Fig. 3.



Witnesses.
 T. LeBeau,
 Edward Smith.

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 Charles Naegelen
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UNITED STATES PATENT OFFICE.

CHARLES NAEGELEN, OF CINCINNATI, OHIO, ASSIGNOR TO THE CINCINNATI BUTCHER'S SUPPLY COMPANY, OF CINCINNATI, OHIO, A CORPORATION OF OHIO.

AUXILIARY REFRIGERATOR-DOOR.

1,046,400.

Specification of Letters Patent.

Patented Dec. 3, 1912.

Application filed June 26, 1911. Serial No. 635,363.

To all whom it may concern:

Be it known that I, CHARLES NAEGELEN, a citizen of the United States, and residing at Cincinnati, Hamilton county, State of Ohio, have invented certain new and useful Improvements in Auxiliary Refrigerator-Doors; and I do declare the following to be a clear, full, and exact description of the invention, attention being called to the drawing which accompanies this application and forms a part thereof.

Auxiliary refrigerator doors are provided in connection with larger doors which control access to refrigerators, cooling-rooms, cold-storage compartments etc. and where overhead tracks are used upon which meat-products, carcasses etc. are moved through the openings controlled by these doors. The objects while so moved are suspended on trolley-rollers which travel upon these tracks and the auxiliary doors are intended to close openings provided to permit passage of the trolley rollers while the objects suspended on them pass through the opening below which is controlled by the larger doors. It is desirable for obvious reasons that the auxiliary doors and the larger doors open and close together, so that manipulation for opening and closing one of the doors, usually the larger one, is sufficient to open and to close also the other doors. Various means and devices have been provided for this purpose and this present invention relates to improved means intended to accomplish the same object.

In the following specification and particularly pointed out in the claim at the end thereof, will be found a full description of my invention, together with its operation, parts and construction, which latter is also illustrated in the accompanying drawing, in which:—

Figure 1, illustrates my invention in perspective view, showing the auxiliary doors and the larger door in open position. Fig. 2, is a horizontal section through the opening controlled by the auxiliary doors and as they are shown in Fig. 1. Fig. 3, in a similar view shows these doors closed.

In the drawing, A indicates an opening which permits access to an inclosure which may be a cooling room. *a* indicates the door for this opening.

B is an object, beef carcass in this case,

and C indicates the rail of an over-head trolley-track upon which such objects, while suspended from trolley-rollers *c*, traveling upon said track, may be conveniently moved through opening A. This latter is extended to form a smaller opening E to admit the track-rail and to clear the rollers traveling upon the same. Auxiliary doors are provided to close this opening, these doors consisting of two wings F and G, hinged to swing on parallel, vertical axes and meeting, when closed, at the track-rail where said doors are notched out to clear the rail and to permit them to come close together at their free edges.

The wings are connected to each other, so that if one is positively moved the other one is caused to move likewise. This connection consists of a straight arm 10 attached to wing F and of a straight link 11 which connects the free end of this arm to the other wing. A coil-spring 12 attached at one end to wing F and at its other end to a point on the door casing has a normal tendency to pull this wing outwardly and into a position as shown in Figs. 1 and 2. In doing so wing G is caused to follow for reasons described. 13 is a projection on the big door *a*, so located that when this door is closed, it contacts with wing F and forces the same into a closed position as shown in Fig. 3, wing G following it again. This same projection 13 holds also the auxiliary doors closed as long as the main door remains closed.

14 is a stop provided to limit the action of spring 12 and so located as to arrest the spring-induced opening movement of the wings before arm 10 on one of them has moved into an alined and dead-locking position with the link on the other wing.

Having described my invention, I claim as new:

The combination with a door for a larger opening, of two hingedly supported wings which form a closure for a smaller opening above the larger opening, a straight arm projecting from the inside of one of these wings and a straight link connecting the free end of this arm with the other wing, a coil-spring connected at one of its ends in a fixed position and at its other end to the wing which carries the arm, imparting thereby to said wing a normal tendency to

assume an open position and to pull the
other wing after it by reason of the link-con-
nection, a fixedly located stop to limit the
opening-movement of the spring-actuated
5 wing before the arm on it has moved into
an alined position with the link on the
other wing, and a projection on the door
below the wings and adapted, when said
door is being closed, to engage the spring-

actuated wing with a direct contact so as to
close the same and to hold it so thereafter.

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

CHARLES NAEGELEN.

Witnesses:

C. SPENGEL,
T. LE BEAU.

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