

C. BEAM.
MILK-SAFE.

No. 183,107.

Patented Oct. 10, 1876.

Fig. 1.

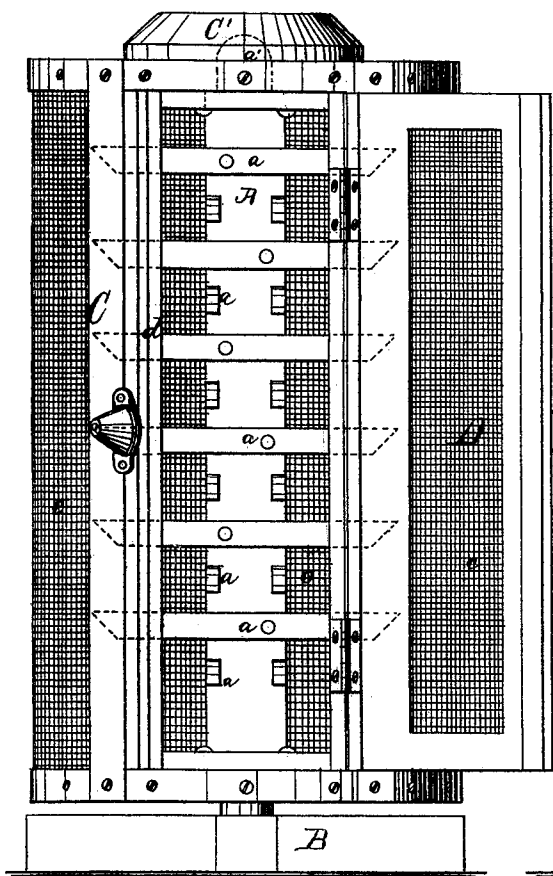


Fig. 2.

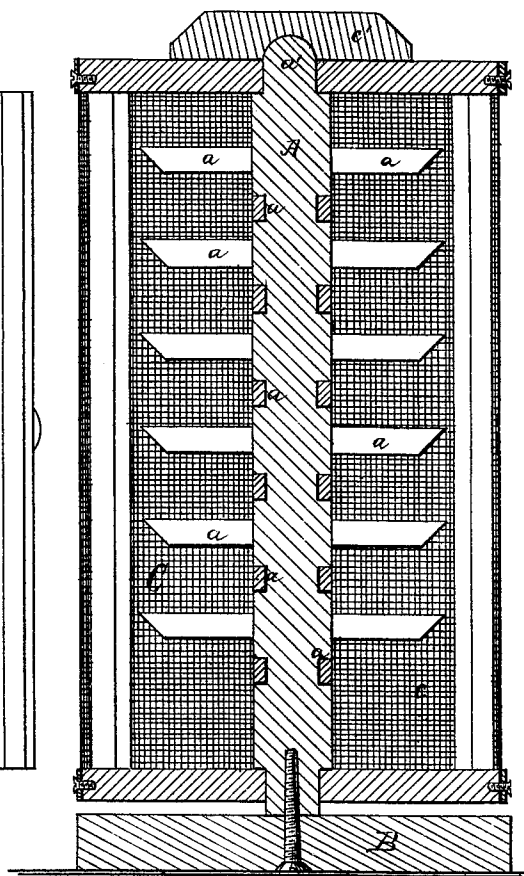
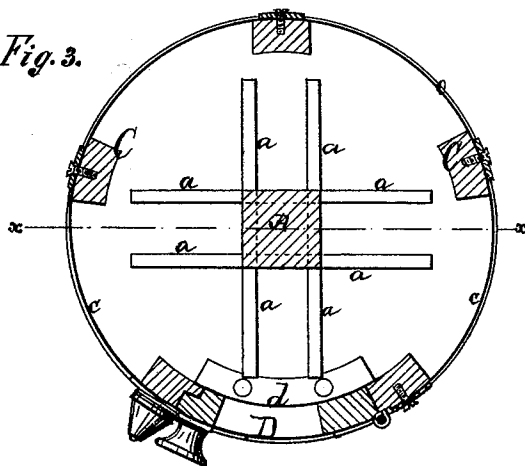


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN MILK-SAFES.

Specification forming part of Letters Patent No. **183,107**, dated October 10, 1876; application filed August 25, 1876.

To all whom it may concern:

Be it known that I, CHARLES BEAM, of Jackson, county of Jones, in the State of Iowa, have invented an Improved Milk-Safe, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a safe constructed with walls composed of a netting of wire or other suitable material, permitting a free circulation through the same of the air, in which milk, fruit, and other similar substances are placed to guard against the attacks of insects, &c.; and my invention consists in an upright fixed and stationary post, mounted in a suitable base or standard, and carrying, projecting from its sides, tiers or rows of shelves or ledges for the support of milk-pans, &c., together with a frame-work surrounding said post and shelves, and hung or pivoted upon and arranged to revolve upon said post, and having its walls composed wholly or in part of a suitable netting, and provided with a longitudinal opening in its wall, extending from the top to the bottom thereof, and provided with a door for the closing of the same, whereby, when it is desired to place upon or remove from any shelf of the post any article, by revolving the pivoted frame and bringing the door or opening opposite to the tier or row of shelves, upon one of which the article is, or is desired to be placed, access may be readily had to the said shelf without disturbing the other shelves, or the contents of the pans or vessels supported thereon.

Figure 1 is an elevation of a safe embodying my invention, showing the door swung open. Fig. 2 is a longitudinal central sectional view of the same. Fig. 3 is a lateral cross-section of the same.

A is an upright stationary post, which is fixed in or to the standard or base B, which latter should be of sufficient breadth to sustain the post and its connected parts in a perpendicular position. From the sides of this post A are arranged to project tiers or rows of shelves or supports *a*, preferably arranged one above the other on each side or face of the post, as shown, the said shelves being adapted to receive and hold a milk-pan or

other article. C is a frame-work or chamber, the walls of which are constructed or composed wholly or in part of a netting, *c*, which is preferably of fine wire. This chamber C is hung or pivoted upon the post A so as to surround the post and its shelves, by means of an opening in its top and bottom, through which the post extends, as shown, and a cap-piece, *c'*, arranged on the top of the frame to fit over and upon the rounded top *a'* of the post. The chamber C thus is capable of being revolved about the fixed post, and it turns upon the top *a'* of the post as a pivot. The chamber has an opening in its wall at *d*, extending from the top to the bottom, and arranged to be closed by a door, D, as shown.

It is evident that, by turning the chamber on its pivot on the post, the opening *d* may be brought opposite to any of the rows of shelves, and thus access readily had to any desired row without movement of the shelves, or in any way disturbing them.

I am aware that milk-safes have been heretofore made in which a post supporting shelves has been arranged to revolve within a stationary frame or chamber. I am aware that these shelves have been made in the form of projecting arms, and that the frame or chamber has been constructed with its walls composed wholly or in part of wire gauze or netting, and that a doorway has been provided. I do not intend to claim herein any of these devices, but wish to limit my claim to the specific combination of parts I have shown, and as I have described them—that is to say, to the combination, with a fixed post mounted in a broad standard and carrying the projecting shelf-arms shown, of a gauze frame or chamber, provided with a door and hung or pivoted upon the said post so that it may be revolved thereon. In safes constructed with a revolving post within a fixed frame or chamber, when it is desired to remove from or place upon any shelf a pan of milk, it becomes necessary to revolve the post. This will, to a greater or less extent, disturb the contents of all the other pans on the remaining shelves; while, on the contrary, it is desirable and essential that the milk which is placed on the shelves and is giving up its cream, should remain in entire quiescence to facilitate the formation and ris-

ing of the cream. It is evident that by means of by combination of devices this result is attained, and my purpose in constructing my frame or chamber with a cap-piece to fit upon the rounded or pointed head of the post is to attain this desirable result.

What I claim, therefore, as my invention, and desire to secure by Letters Patent, is—

A milk-safe, in which the fixed and station-

ary post A is mounted on a base or sill, B, and sustains the projecting shelves or supports *a*, with the revolving frame or chamber C, and the door D, and with the cap *c*, as and for the purpose specified.

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Witnesses:

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