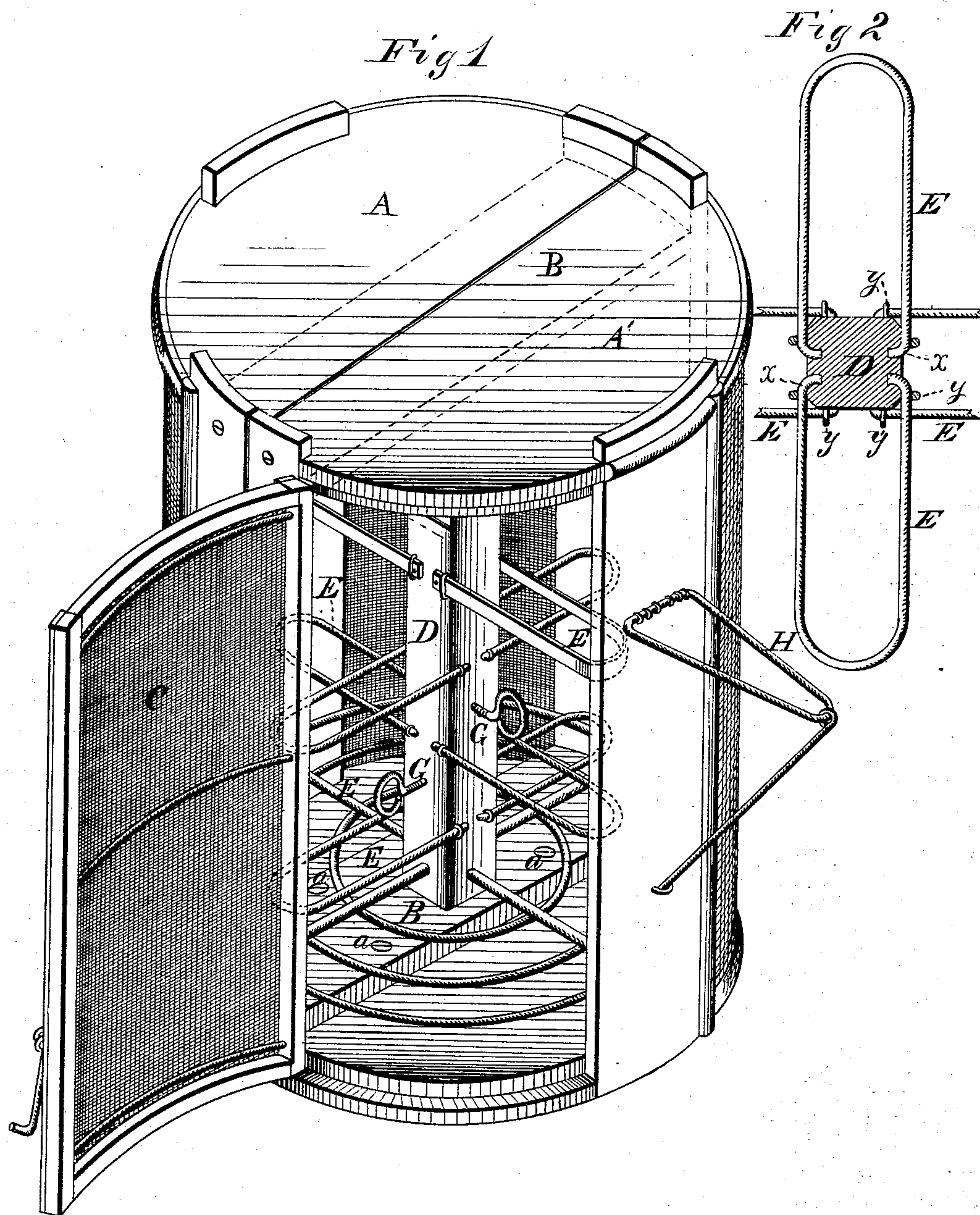


J. P. SWITZER.

Milk-Safes.

No. 157,037.

Patented Nov. 17, 1874.



WITNESSES

Frank L. Ourand
Henry N. Miller

INVENTOR

Justin P. Switzer
per
Alexander H. Mason
Attorneys

UNITED STATES PATENT OFFICE.

JUSTIN P. SWITZER, OF MADISON, WISCONSIN.

IMPROVEMENT IN MILK-SAFES.

Specification forming part of Letters Patent No. **157,037**, dated November 17, 1874; application filed May 20, 1874.

To all whom it may concern:

Be it known that I, JUSTIN P. SWITZER, of Madison, in the county of Dane and State of Wisconsin, have invented a new and useful Improvement in Milk and Provision Safes; and do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings making a part of this specification.

Figure 1 represents a perspective view with the door open; and Fig. 2, a view of the supporting arms or shelves, showing the shaft in section and the manner of connecting the shelves to the shaft.

My invention relates to that class of milk and provision safes in which a revolving shaft having supporting arms or shelves is inclosed within a cylindrical case; and it consists in the peculiar construction of the parts, as more fully hereinafter set forth and claimed.

My safe is constructed of two semi-cylindrical parts, A and A', each part having a semicircular head and bottom. The two parts A A' are connected at both top and bottom, on the inner sides, by the break-joint strips B B, which are connected by the screws *a a*, so that they can be detached at will and the cylinder separated for transportation or storing. D represents a vertical shaft, having four flat sides and a journal at its top and bottom. The journals of this shaft fit into openings in each of the blocks B, and are fitted so that they easily revolve. Upon this shaft, on all four sides, are shelves to support the milk-pans or provisions. These shelves are arranged in pairs, the alternate pairs being at right to the others, as shown. These shelves are either made of hoop-iron or of wire, and are U-shaped, so that one prong of the wire or band is attached to one face of the post, and the other prong to the other face. The two ends of each shelf

are bent inward, as seen at *x x*, Fig. 2, and the post is perforated to receive these bent ends. A wire staple, *y*, is caught over each end of the wires or bands, and driven into the post, so that the shelf is rigidly attached thereto, but may be easily detached therefrom by extracting the staples. By this form of shelf and connection any one shelf may be taken from the shaft, or all may be removed for packing the parts in a small compass for shipping or storing. Above one or more or all of the shelves is an eyebolt, G, for the purpose of securing a pan in place upon the shelf as the shaft is rotated. These bolts can be turned up, so that the eye is horizontal, and allow the pan to be set under, and then, by turning it down in a vertical position of the eye, the pan will be caught and held. On the exterior of the case may be placed one or more hinged shelves, H, made of wire, and supported by a leg for holding articles outside of the case. It will thus be seen with my invention that the entire safe may be taken apart readily and stored or shipped in a small compass; or, if any of the shelves may become bent or broken, they can be easily detached from the shaft and repaired or new ones replaced.

One of the parts of the cylinder is provided with a door, C, as shown.

Having thus fully described my invention, what I claim is—

In combination with the two-part cylindrical case A A', the detachable break-joint strips B B and shaft D, with its U-shaped arms E E, all substantially as set forth.

JUSTIN P. SWITZER.

Witnesses:

W. A. P. MORRIS,
C. T. WAHLEY.