

P. Thompson.

Nº 42,030. Churn. Patented Mar. 22, 1864.

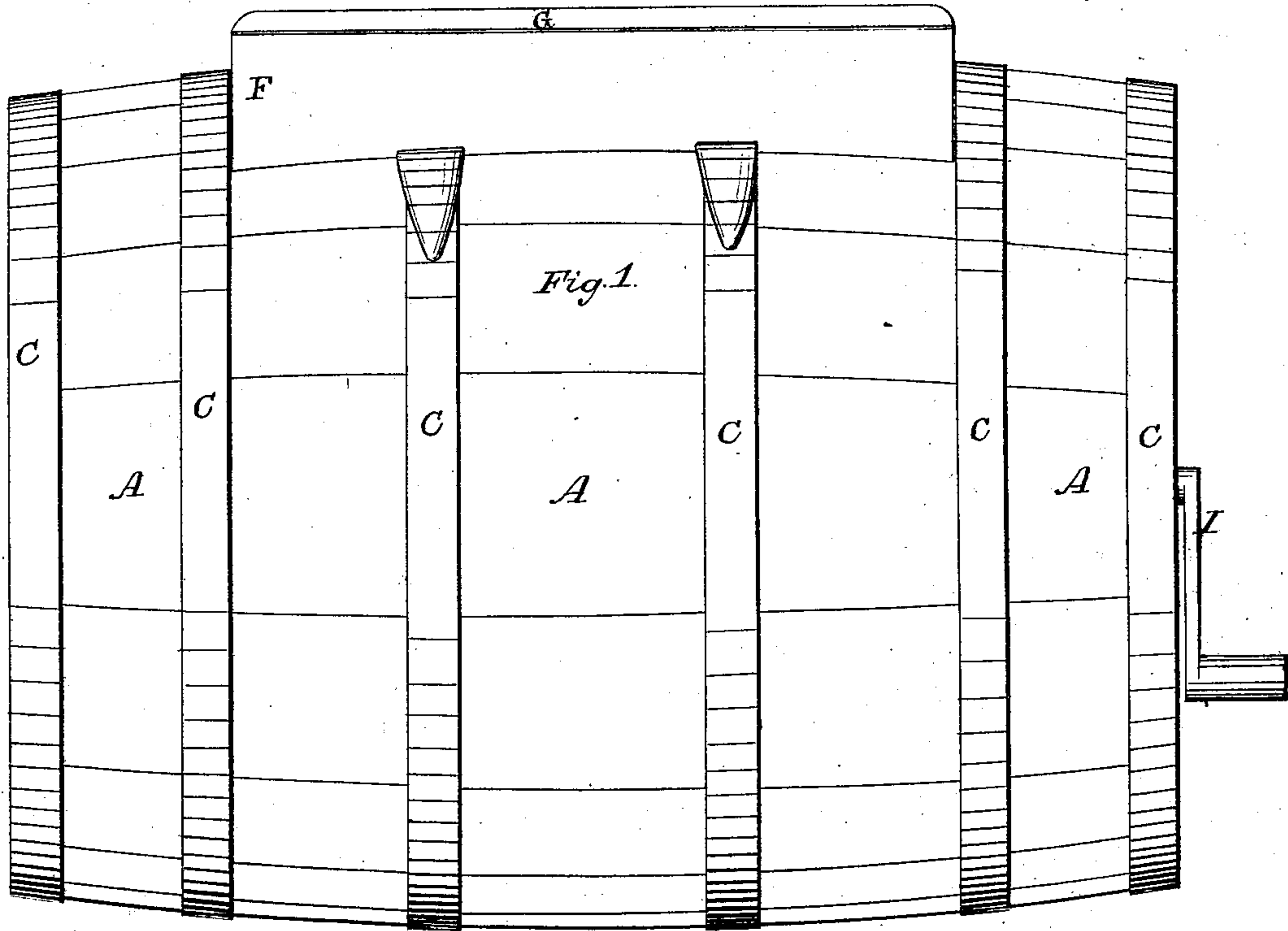
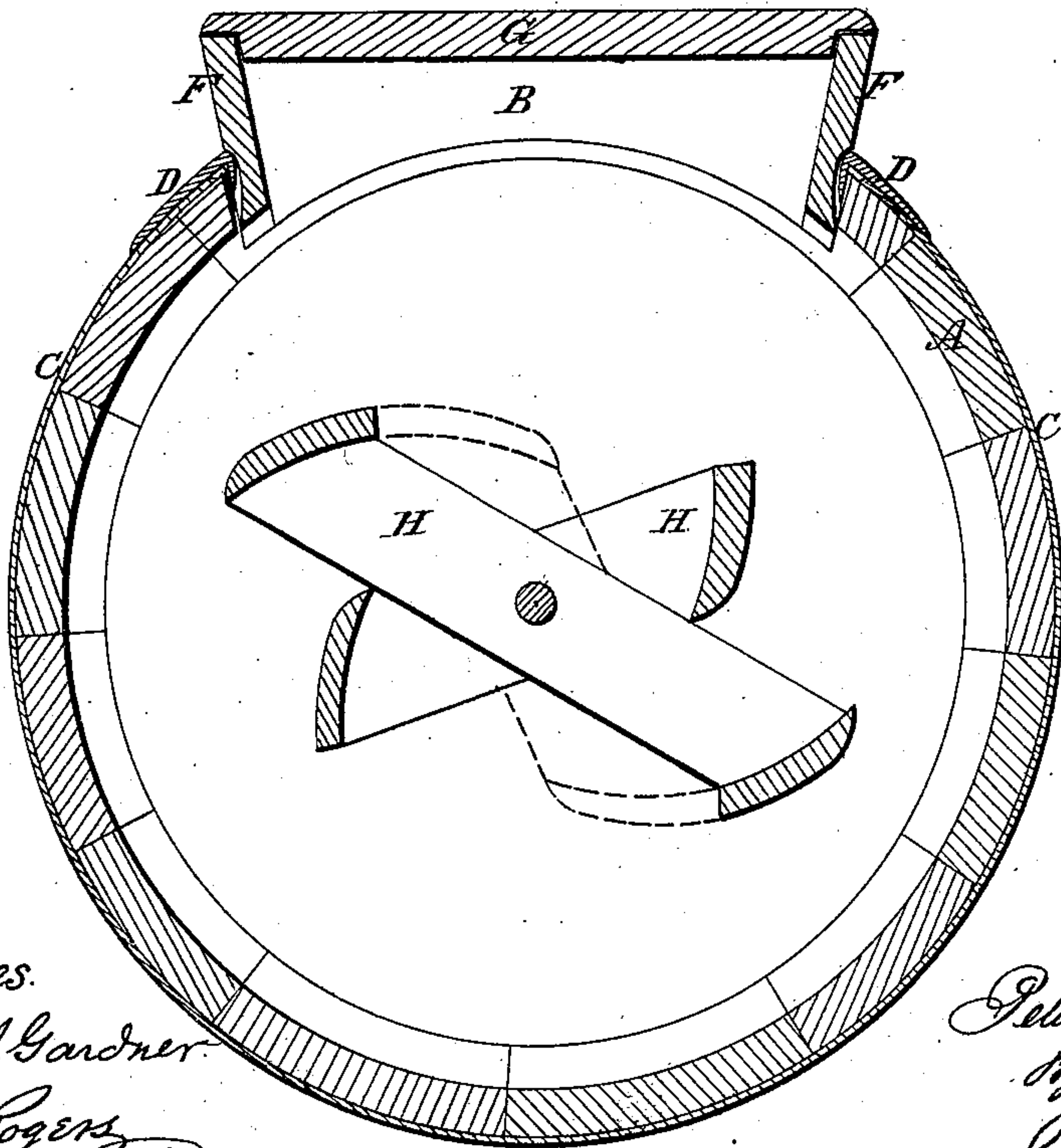


Fig. 2.



Witnesses.
Thomas I. Gardner.
Charles Rogers.

Inventor.
Pelatiah Thompson.
By his Atty
R. D. Smith.

UNITED STATES PATENT OFFICE.

PELATIAH THOMPSON, OF SPRINGFIELD, OHIO.

IMPROVEMENT IN BARREL-CHURNS.

Specification forming part of Letters Patent No. 42,030, dated March 22, 1864.

To all whom it may concern:

Be it known that I, PELATIAH THOMPSON, of Springfield, in the county of Clark and State of Ohio, have invented a new and Improved Mode of Constructing Barrel Churns; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to accompanying drawings and to letters of reference marked thereon—

Figure 1 being a side elevation of the cask, and Fig. 2 being a vertical cross section of the same.

The nature of my invention consists in a method of keeping the cask tight at that portion where it is impossible to use a continuous hoop.

That others may understand the construction and operation of my invention, I will describe it particularly.

The cask A is constructed in the ordinary manner with staves, heads, and hoops.

In order to facilitate the removal of the dashers and the contents of the churn, and render it more easily cleansed, I make the opening B much larger than has hitherto been done—so long that the hoops C C are cut off.

In order to prevent the staves from springing apart at the bilge, and thereby rendering the cask leaky, I provide the hoops C C (which are cut at the proper length) with a hook, D,

at each end. The cask being smaller in circumference at the point E than it is nearer the bilge, allows the hoop C to be put on and the hook D to be passed over the edge of the orifice B, when the hoop may be “driven up” in the ordinary manner and the bilge be made tight. I commonly place the coaming F around the orifice B for the purpose of accommodating the cover G, and also to prevent the cream from splashing out. The dashers H are of any suitable form, and are coupled to the crank I in any desirable way. The orifice B is large enough to allow the dashers to be removed from the churn with ease, thereby facilitating the removal of the contents and the cleansing of the cask.

Having described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. The hoop C, provided at each end with a hook, D, in combination with a cask having a large orifice in its side, substantially as described, and for the purpose set forth.

2. The coaming F, in combination with the hoop C and hook D, substantially as described.

PELATIAH THOMPSON.

Witnesses:

JAS. L. TORBERT,
REUBEN MILLER.