

(No Model.)

F. H. HAMAN.

CHURN HEAD.

No. 349,218.

Patented Sept. 14, 1886.

Fig. 1.

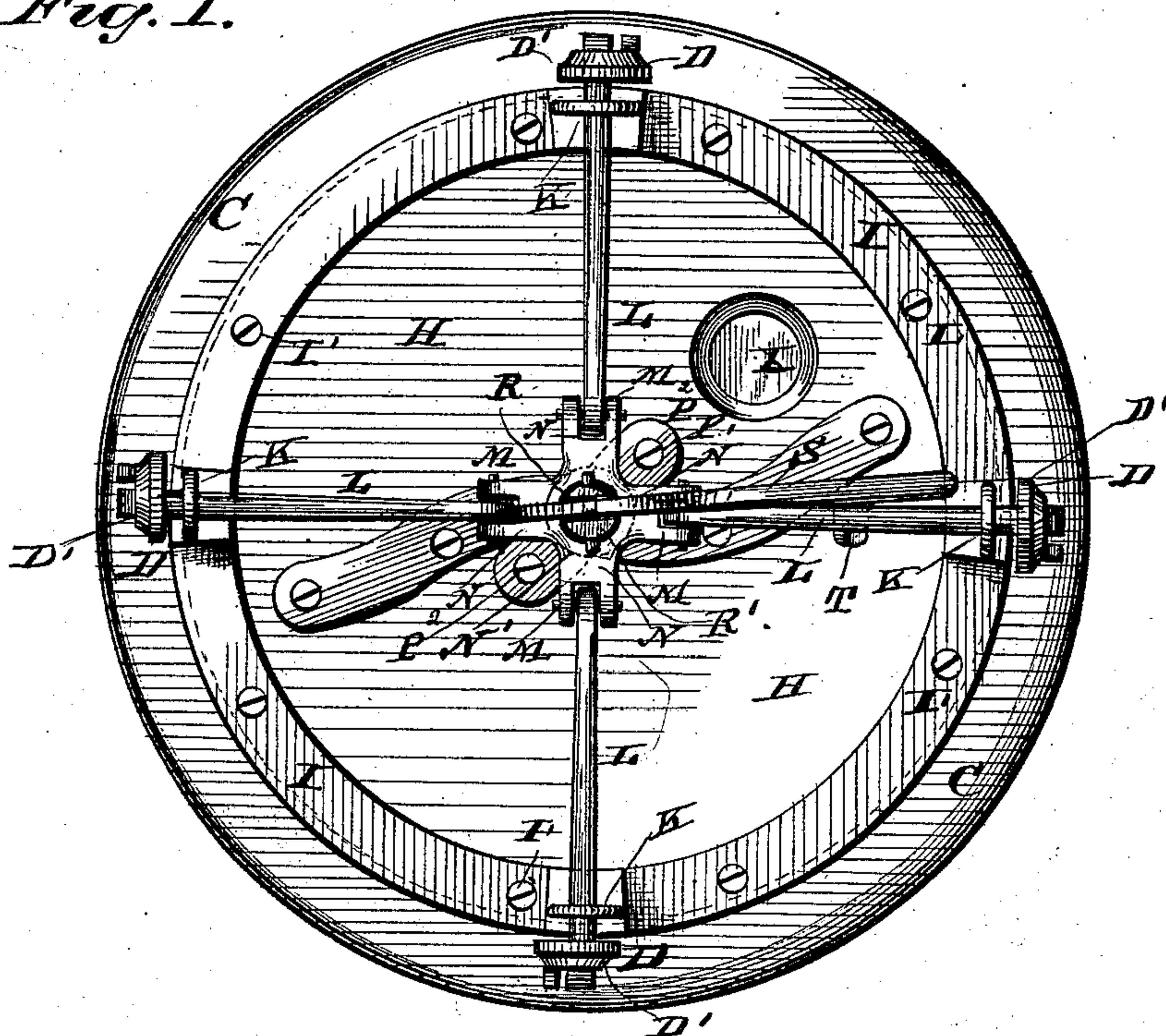
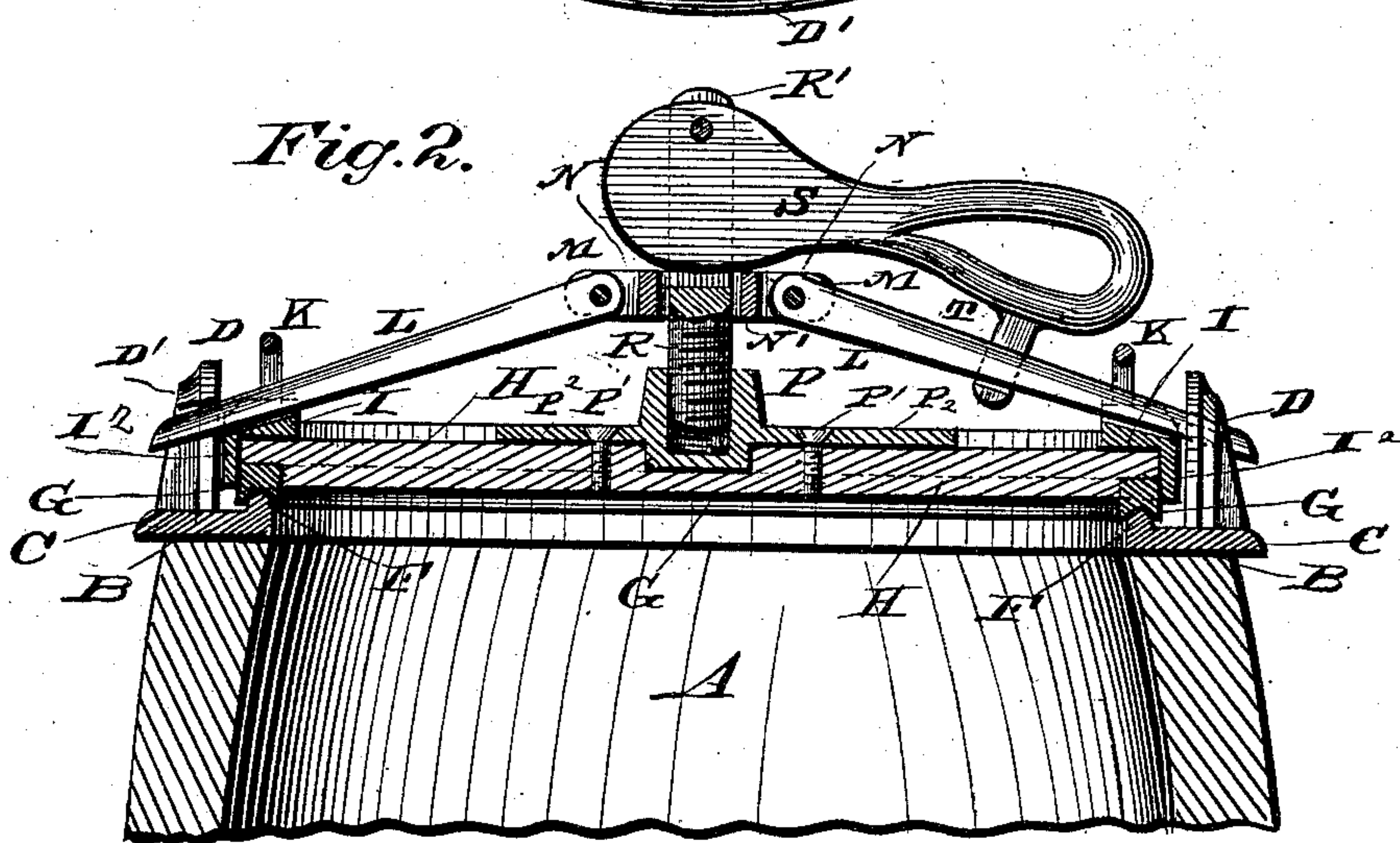


Fig. 2.



WITNESSES

Philomasi
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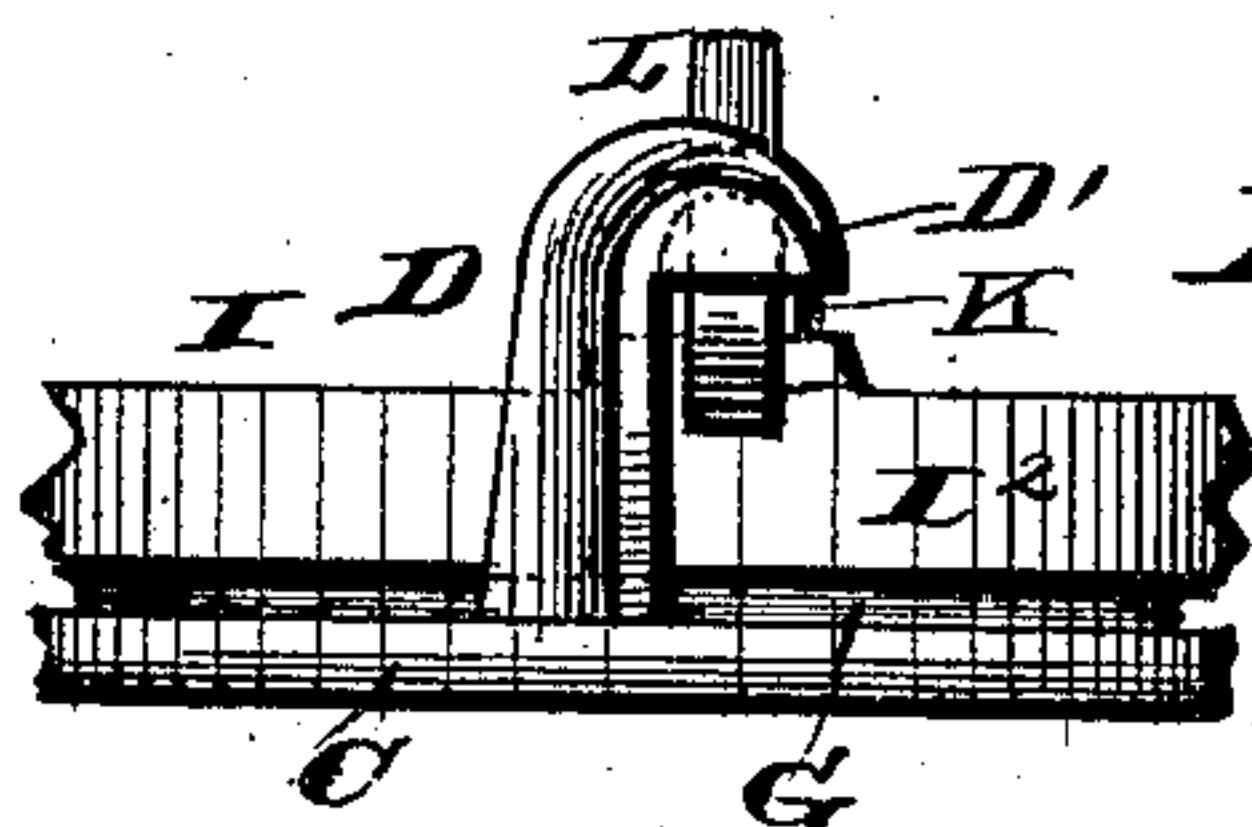


Fig. 3. INVENTOR

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UNITED STATES PATENT OFFICE.

FREDRICK H. HAMAN, OF WAPAKONETA, OHIO.

CHURN-HEAD.

SPECIFICATION forming part of Letters Patent No. 349,213, dated September 14, 1886.

Application filed June 19, 1886. Serial No. 205,701. (No model.)

To all whom it may concern:

Be it known that I, FREDRICK H. HAMAN, a citizen of the United States, residing at Wapakoneta, in the county of Auglaize and State of Ohio, have invented certain new and useful Improvements in Barrel Churn-Heads; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of a top or plan view. Fig. 2 is a vertical transverse section. Fig. 3 is a detail view.

My invention relates to churn-heads; and it consists in the construction and novel combination of parts, as hereinafter set forth, and
20 pointed out in the claims.

Referring by letter to the accompanying drawings, A designates the body of the barrel-churn, which is provided at one end on the churn-seat B with an annular ring, C, having
25 shouldered lugs or arms D thereon, four in number, arranged at equidistant points and extending at right angles from said ring C. At its inner periphery the annular ring C is provided with a rib or bearing-flange, F, upon
30 which the cork packing-ring G rests when the cover or head H is in place.

The head H is bound with a metallic ring, I, which is secured in place by screws I', passing from above down through the horizontal
35 portion of said ring into the head proper, the vertical flange I² of said ring I covering the edge of the head, and thereby strengthening and protecting the head. On its upper face the ring I is provided with four staples, K,
40 through which the ends of the four arms L pass and project, and when the lid is in place on the churn-body extend under the shoulders D' of the arms D. The inner ends of the arms L are pivoted in bifurcated bearings M in the
45 arms N of the spider N'.

The head H is provided on its upper face with an internally-threaded casting, P, which is secured to the face of the head H by screws P, passed downwardly through the arms P² of

the casting P into the head H. A threaded
50 rod, R, having a bifurcated or slotted upper end, R', is screwed into the threaded casting P, and in the bifurcation R' a cam-lever, S, is pivoted, and is provided on its lower edge, near its power end, with a downwardly-projecting
55 hook-arm, T, which, when the cam-lever S is depressed, engages the under side of either one of the four arms L, to lock the arms L in place under the shouldered arms D.

When the lid is in place on the churn, and
60 the power end of the cam-lever S is depressed, the outer ends of the four arms L are projected under the shoulders D' of the arms D, and the lid or cover is firmly locked in place.

The churn-head is provided with a glass-
65 covered view-hole, X, through which the contents of the churn may be inspected without removing the lid when necessary or desirable.

Having described this invention, what I claim, and desire to secure by Letters Patent, 70 is—

1. The combination, with the churn-body having the annular ring provided with the shouldered arms extending from its face and the churn-lid provided at its edge with the
75 annular ring having guide-staples on its face, of the arms pivoted to the spider and projecting through the guide-staples, the bifurcated and threaded shaft in the threaded casting, and the cam-lever fulcrumed in the bifurcation of
80 said shaft and provided with the hook-arm near its outer end, substantially as specified.

2. The combination, with the churn-cover having the threaded central casting and the
85 annular flanged ring with staples on its upper face, of the bifurcated threaded shaft, the spider and the pivoted arms, the guide-staples, and the cam-lever fulcrumed in the bifurcated threaded arms and provided with the hook-arm near its outer end, substantially as speci-
90 fied.

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

FREDRICK H. HAMAN.

Witnesses:

C. A. STUEVE,

R. B. ANDERSON.