

(No Model.)

G. C. BOVEY.

MILK BUCKET.

No. 354,384.

Patented Dec. 14, 1886.

FIG. 1.

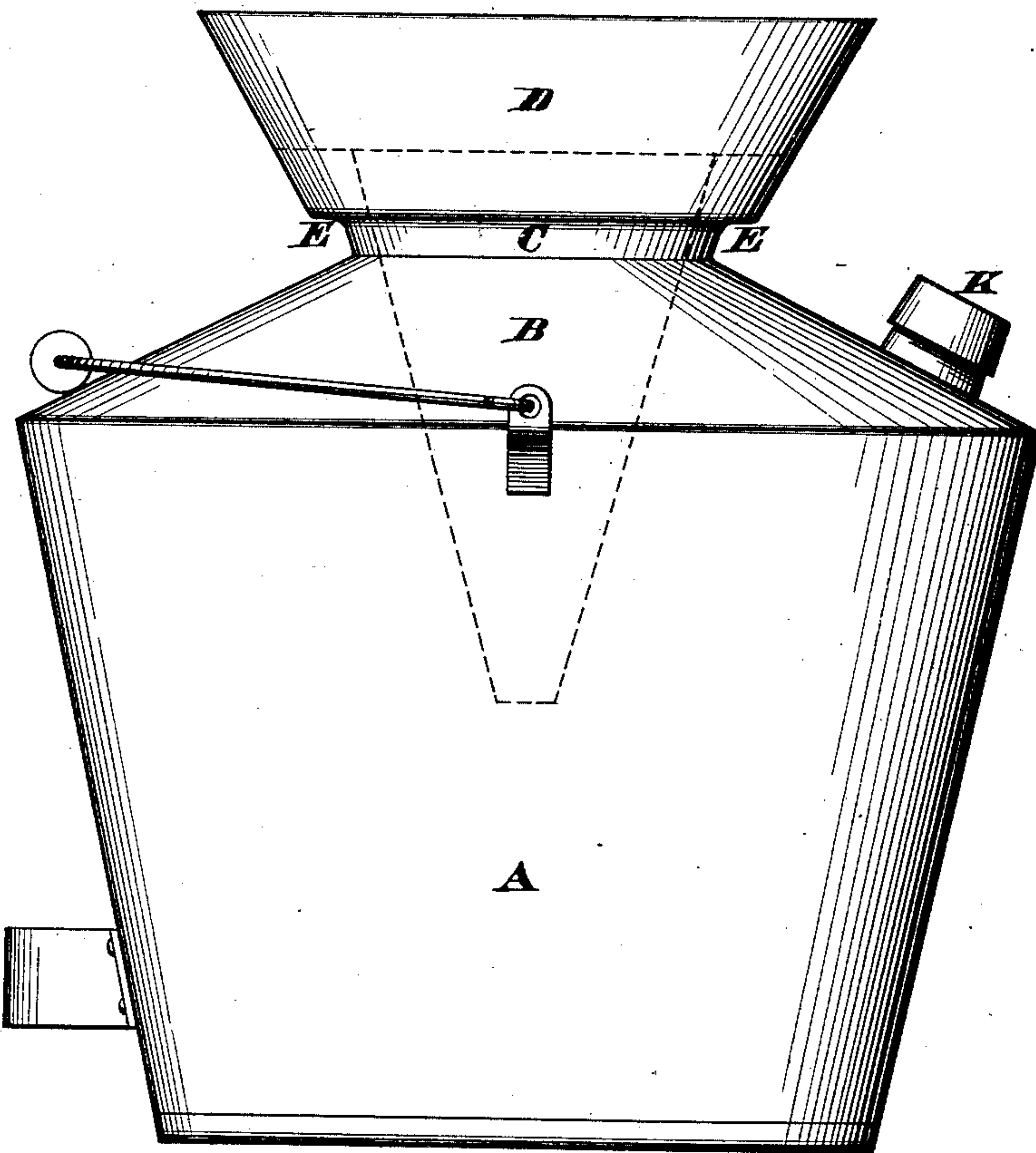


FIG. 2.

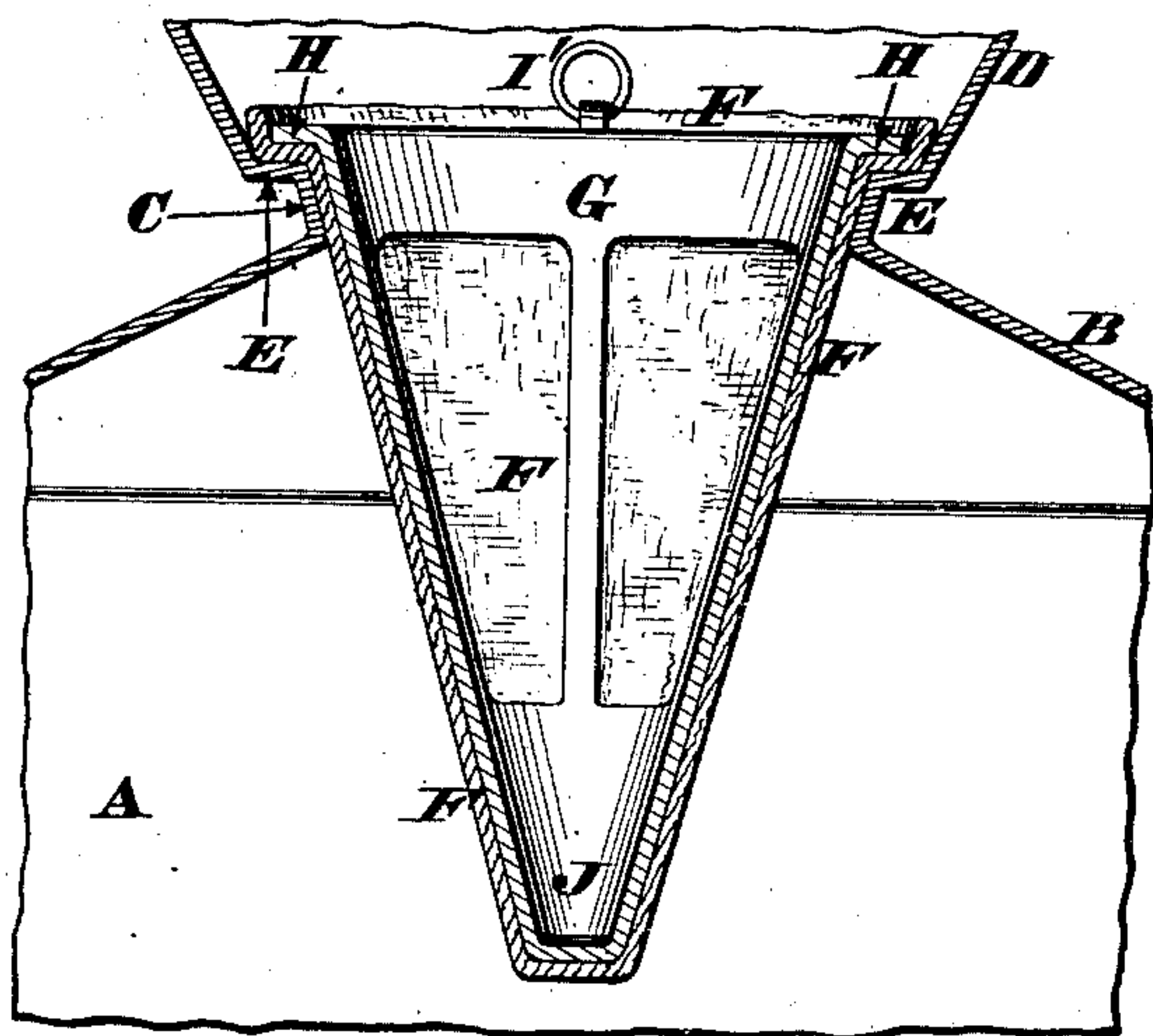
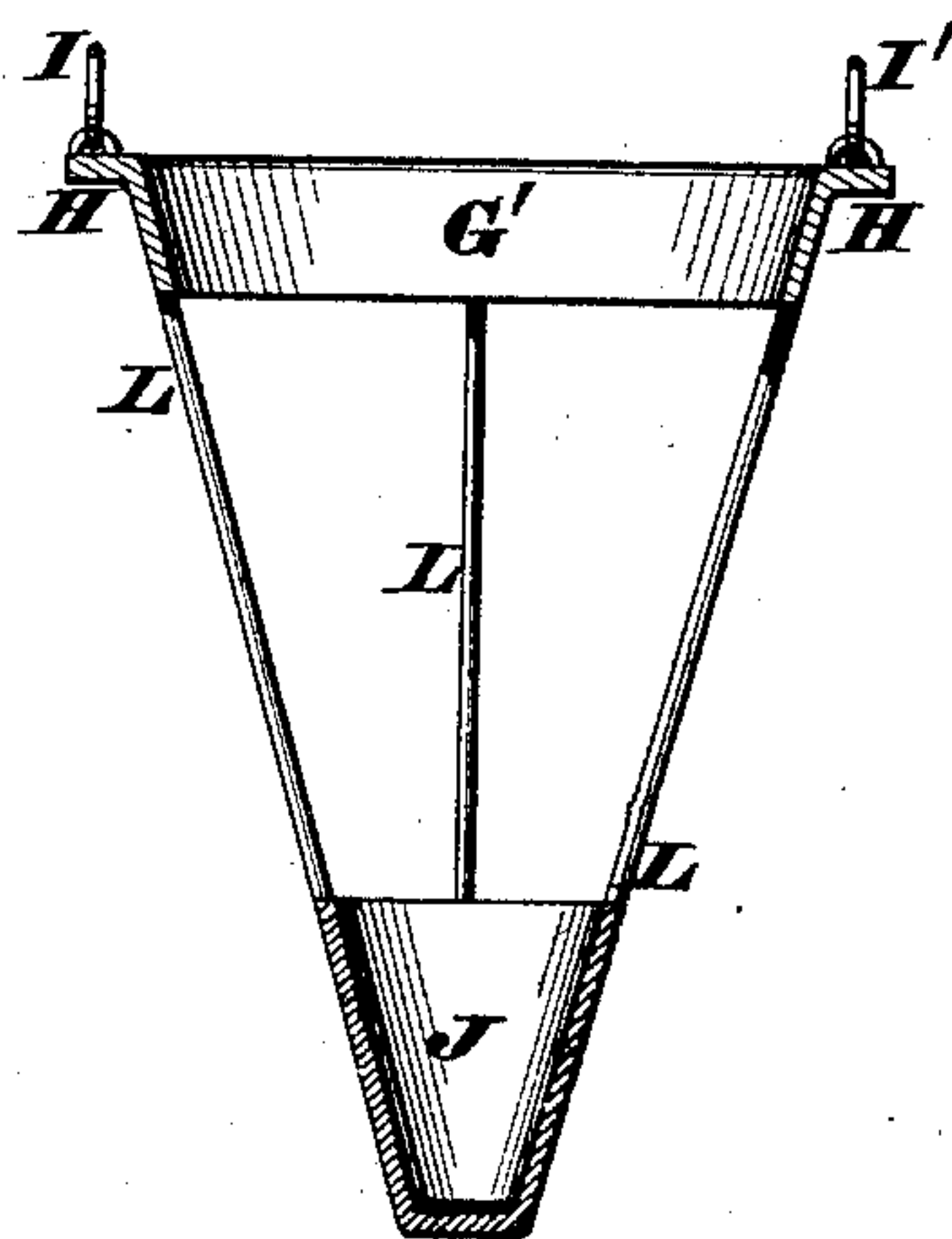


FIG. 3.



Attest.
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UNITED STATES PATENT OFFICE.

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MILK-BUCKET.

SPECIFICATION forming part of Letters Patent No. 354,384, dated December 14, 1886.

Application filed July 15, 1886. Serial No. 298,047. (No model.)

To all whom it may concern:

Be it known that I, GEORGE C. BOVEY, a citizen of the United States, residing at Columbus, in the county of Franklin, State of Ohio, have
5 invented certain new and useful Improvements in Milk-Buckets, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention comprises a peculiarly-constructed milk-bucket, which is adapted to receive a special form of detachable strainer, that prevents impurities of any kind passing down into the vessel. The strainer consists of a cone-shaped frame or shell surrounded
15 with a cloth bag that serves as the filtering device, the lower end of said frame being joined to a cup which prevents splashing of the milk. The upper or open end of the frame has an outwardly-projecting annular
20 flange that clamps the margin of the bag and holds it down firmly on an annular ledge made in the funnel-mouth of the bucket. By this arrangement the strainer-bag is held securely in place without using cords or other special
25 retaining devices, while at the same time the bag and frame can be readily removed from the bucket when occasion requires, as herein-after more fully described.

In the annexed drawings, Figure 1 is a side elevation of a milk-bucket embodying my improvements, the position of the strainer being indicated by dotted lines. Fig. 2 is a vertical section through the strainer and the upper portion of the bucket. Fig. 3 is a similar section of a modified form of the strainer frame or shell.

A represents a milk-bucket having a closed top, B, and a short neck, C, surmounted by a funnel, D, the latter being provided with an
40 annular ledge, E, upon which rests the upper margin of a cloth bag, F, that constitutes the strainer or filter proper. This bag surrounds a conical frame or shell, G, having at its upper or open end an outwardly-projecting annular
45 flange, H, adapted to grip the mouth of the bag. I I' represent ring-handles applied to this flange H. The bottom of the conical shell takes the shape of a cup, J.

K is a spout for pouring the strained milk
50 out of the bucket.

To use this bucket, the cloth bag F is first

drawn over the conical frame G, and these united members F G are then passed down through the neck of the can as far as they will go, their descent being limited by the annular
55 flange H. This flange grips the upper margin of the bag and clamps it firmly down onto the annular ledge E, as seen in Fig. 2, thus rendering it impossible for the weight of milk in the strainer to drag said bag from the frame
60 or shell. The milk should be discharged into the cup J, and as soon as the latter is filled splashing ceases immediately, the overflow from said cup running through the cloth or similar material F and being discharged into
65 the bucket A. Furthermore, this cup collects any hair, dirt, or other impurities that may drop into the funnel-shaped bucket-mouth. After the milking is finished, the rings I I' are grasped, so as to loosen the frame G, and
70 thus permit the ready removal of said frame and the inclosing-bag. These members can then be readily cleansed and used again, as just described.

In Fig. 2 the distender for the bag F is
75 shown as being composed entirely of a sheet-metal shell; but in Fig. 3 a ring, G', is seen connected to the cup J by wires L, thus forming a frame over which said bag can be drawn preparatory to inserting the strainer in the
80 bucket.

I claim as my invention—

1. A milk-bucket having a top, B, neck C, funnel D, and annular ledge E, in combination with the strainer-bag F and the detachable
85 conical frame G, the latter being open at top and having an annular flange, H, that confines the margin of said bag against said ledge E of the bucket, for the purpose described.

2. In combination with the milk-bucket A,
90 having funnel D and annular ledge E, the conical frame G, provided with an annular flange, H, at top and a cup, J, at bottom, and the bag F, surrounding said frame, substantially as described.

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

GEORGE C. BOVEY.

Witnesses:

JAMES H. LAYMAN,
SAML. S. CARPENTER.