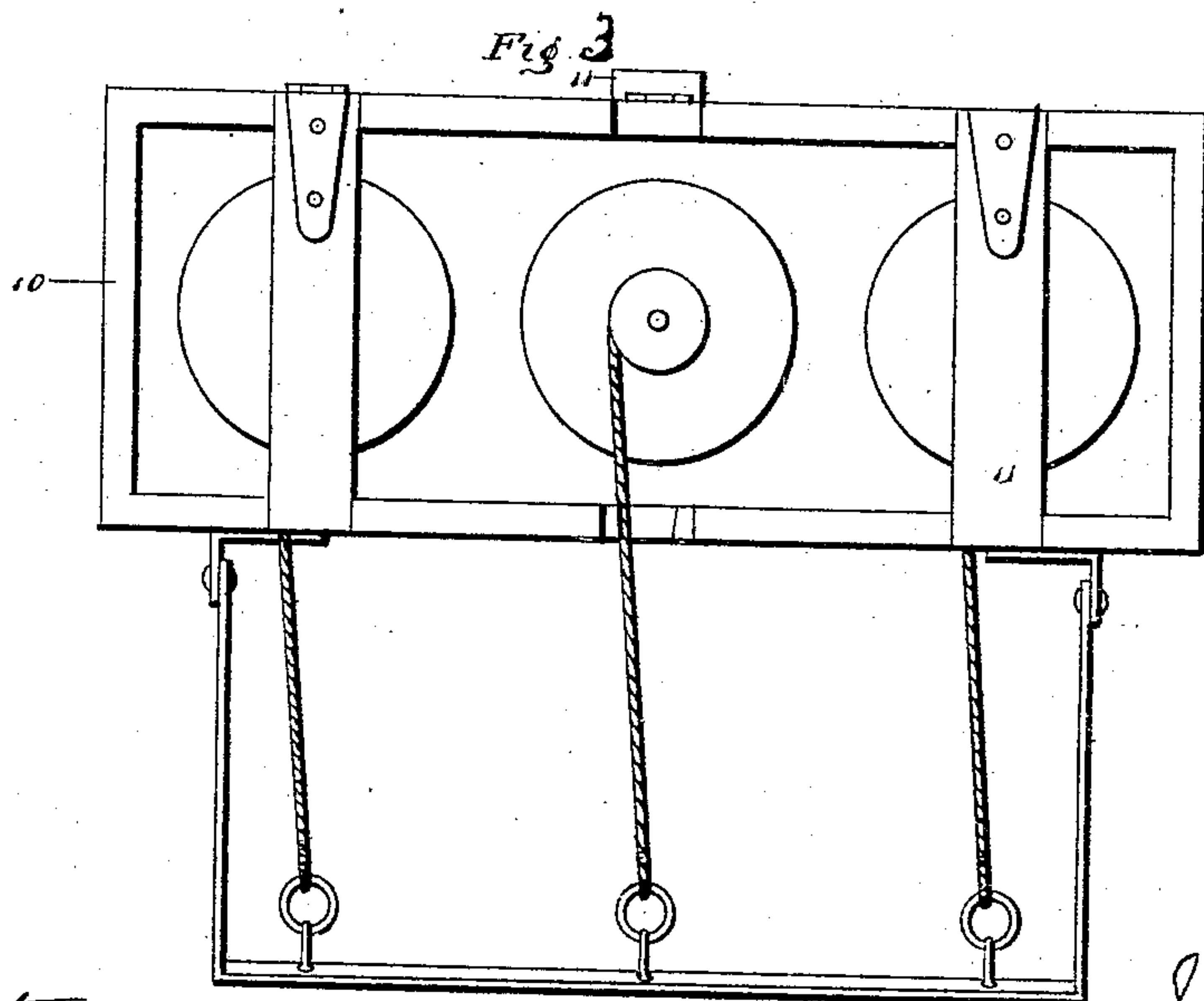
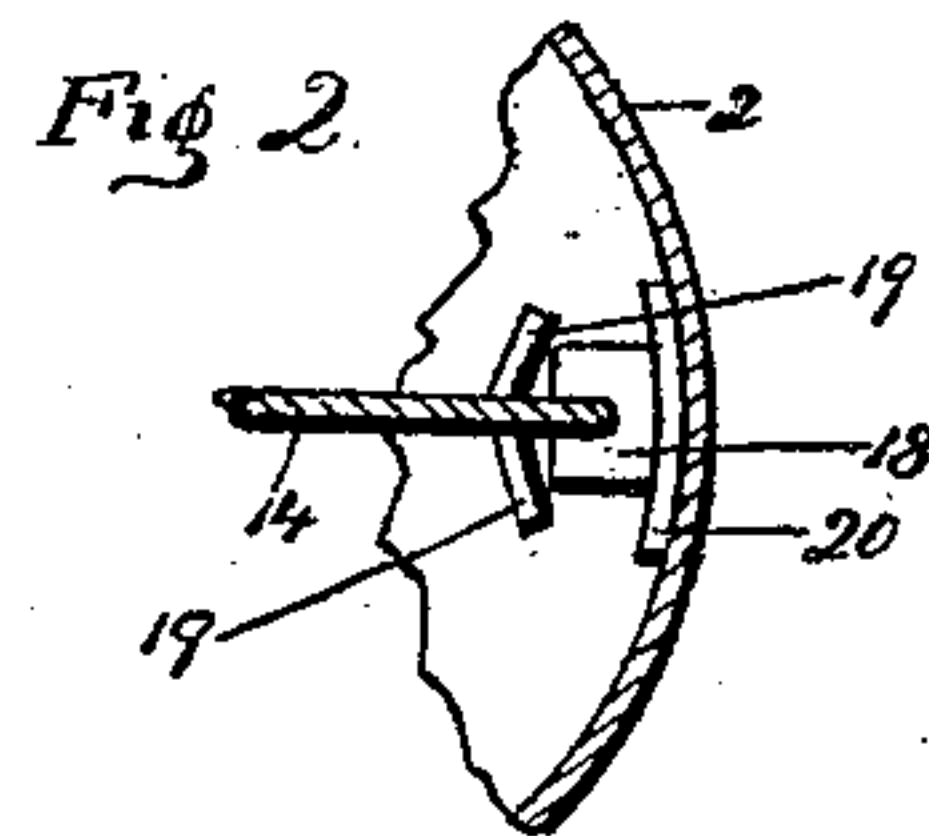
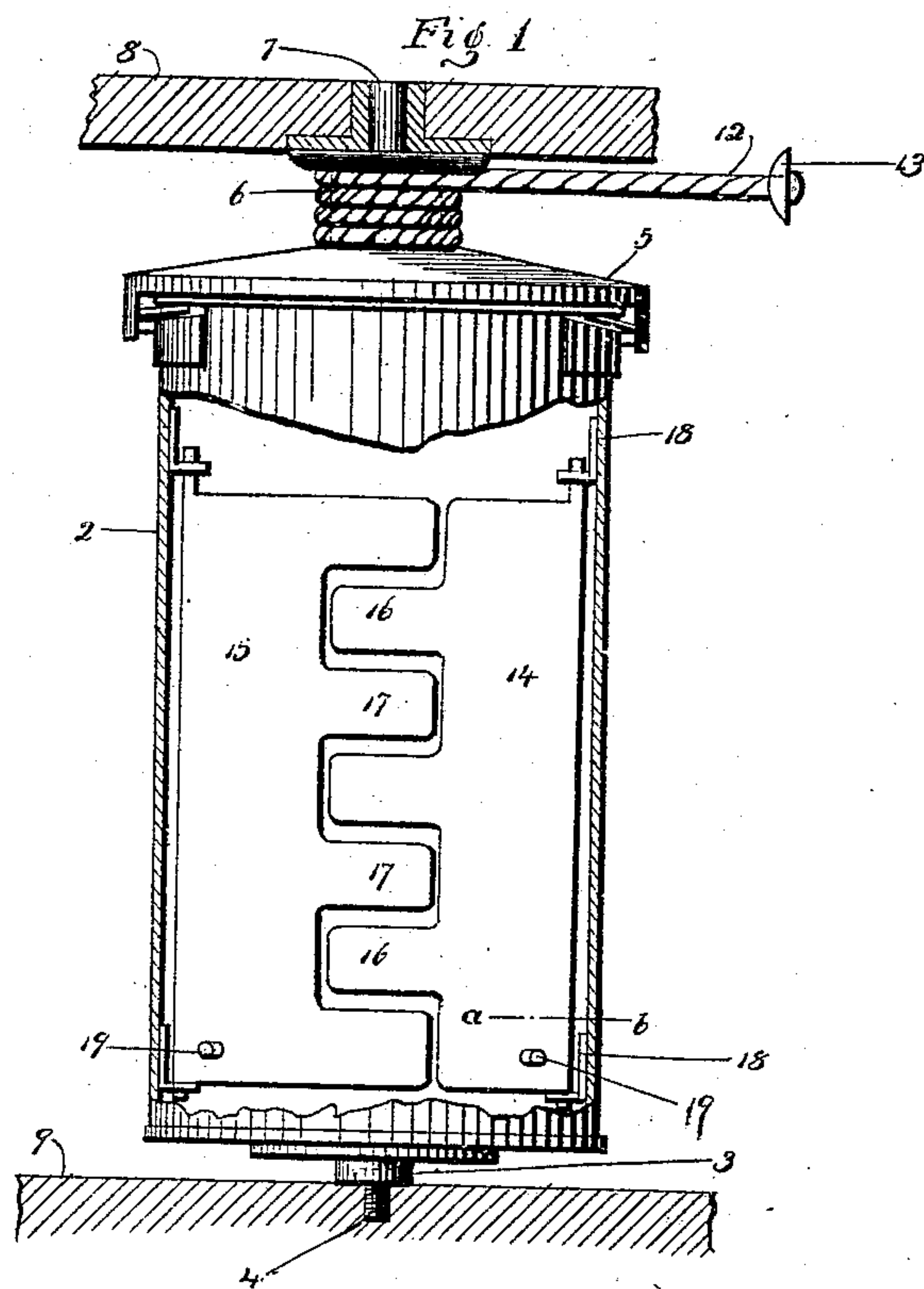


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CHURN.  
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908,729.

Patented Jan. 5, 1909.



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# UNITED STATES PATENT OFFICE.

ISAAC BAUER AND CHARLES BROWN, OF MIDDLETOWN, CONNECTICUT, ASSIGNORS TO THE  
NEW ENGLAND ENAMELING CO., OF MIDDLETOWN, CONNECTICUT, A CORPORATION.

## CHURN.

No. 908,729.

Specification of Letters Patent.

Patented Jan. 5, 1909.

Application filed August 14, 1908. Serial No. 448,553.

*To all whom it may concern:*

Be it known that we, ISAAC BAUER and CHARLES BROWN, citizens of the United States, residing at Middletown, in the county of Middlesex and State of Connecticut, have invented a new and useful Improvement in Churns; and we do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1 a side view partially in section of a churn constructed in accordance with our invention. Fig. 2 a sectional view on the line *a—b* of Fig. 1. Fig. 3 a top or plan view of the casing adapted to support three cans and means for simultaneously operating them.

This invention relates to an improvement in churns, the object being a simple construction in which the milk or cream is churned by rotating a can, containing a dasher, first in one direction and then in the opposite direction by means of a cord wound around the neck of the top of the can similar in construction to the method of operating an ice cream freezer like that shown in United States Patent No. 637,078 granted November 14, 1889, to F. P. Burr; and the invention consists in the construction and combination of parts as will be hereinafter described and particularly recited in the claims.

In carrying out our invention we employ a cylindrical can or vessel 2 which has a centrally arranged socket 3 at the bottom adapted to set over a stud 4 upon which it is free to turn. This can is provided with a top 5 which may be secured in convenient manner and the top is formed with a neck 6 and an upwardly projecting stud 7 which is adapted to enter a brace or plate 8 which will be connected in suitable manner with a base 9 between which plate and base the can is held in a vertical position. The base 9 may be the bottom of the box 10 like that shown in Fig. 3 of the drawings, and the plate 8 may be one of the locking bars 11 of Fig. 3. Secured to the neck 6 is a strap or cord 12 having a button or handle 13 attached to its free end by which it may be conveniently grasped.

Within the can is a dasher which, as shown in Fig. 1 of the drawings is preferably formed in two parts 14, 15, one formed with fingers 16 which pass between fingers 17 of the other member. These dashers are pivotally mounted in suitable brackets 18 and near the bottom each is provided with outwardly projecting stop-pins 19 which as the dashers swing will come in contact with the sides of the brackets 18, these pins forming stops to limit the movement of the dashers. A can thus provided with a one-part or a two-part dasher, is adapted to be rotated by drawing outward upon the strap or cord 12 which revolves the can. The strap is drawn outward until it is entirely unwound from the neck, and this outward movement of the strap or cord will impart such rotation to the can that it will in its continued movement rewind the cord upon the neck, the strain on the cord being released to permit such winding. Another outward pull on the cord reverses the movement of the can and when the cord has been entirely unwound will be wound in the opposite direction or as it was in the first place. These successive outward pulls on the cord rotates the can first in one direction and then in the opposite direction. This rotary motion in opposite directions causes the dashers to swing back and forth.

If desired the cord or strap 12 might be secured to the face of the box or tub 10 as shown in Fig. 5 of the drawings, and if desired two or more of these cans may be arranged in the same tub and the straps connected with the yoke as also shown in Fig. 3, it being understood that the cans are mounted for independent movement.

We claim:—

1. A churn comprising a can, two vertically arranged dashers pivotally connected on opposite sides thereof, a top for said can, said top formed with a neck, means for supporting the can and top in a vertical position, and means connected with said neck whereby the can may be rotated, substantially as described.

2. A churn comprising a can, two vertically arranged dashers connected with opposite sides of said can said dashers provided with stop pins to limit the swinging movement thereof, a top adapted to be secured to

said can, said top formed with a neck, means  
for supporting the can in a vertical position,  
a cord or strap secured to the neck whereby  
by the movement of said strap the can may  
5 be given a rotary motion; substantially as  
described.

In testimony whereof, we have signed this

specification in the presence of two subscri-  
ing witnesses.

ISAAC BAUER.

CHARLES BROWN.

Witnesses:

WALTER V. LANDECK,

ELMER G. DERBY.