

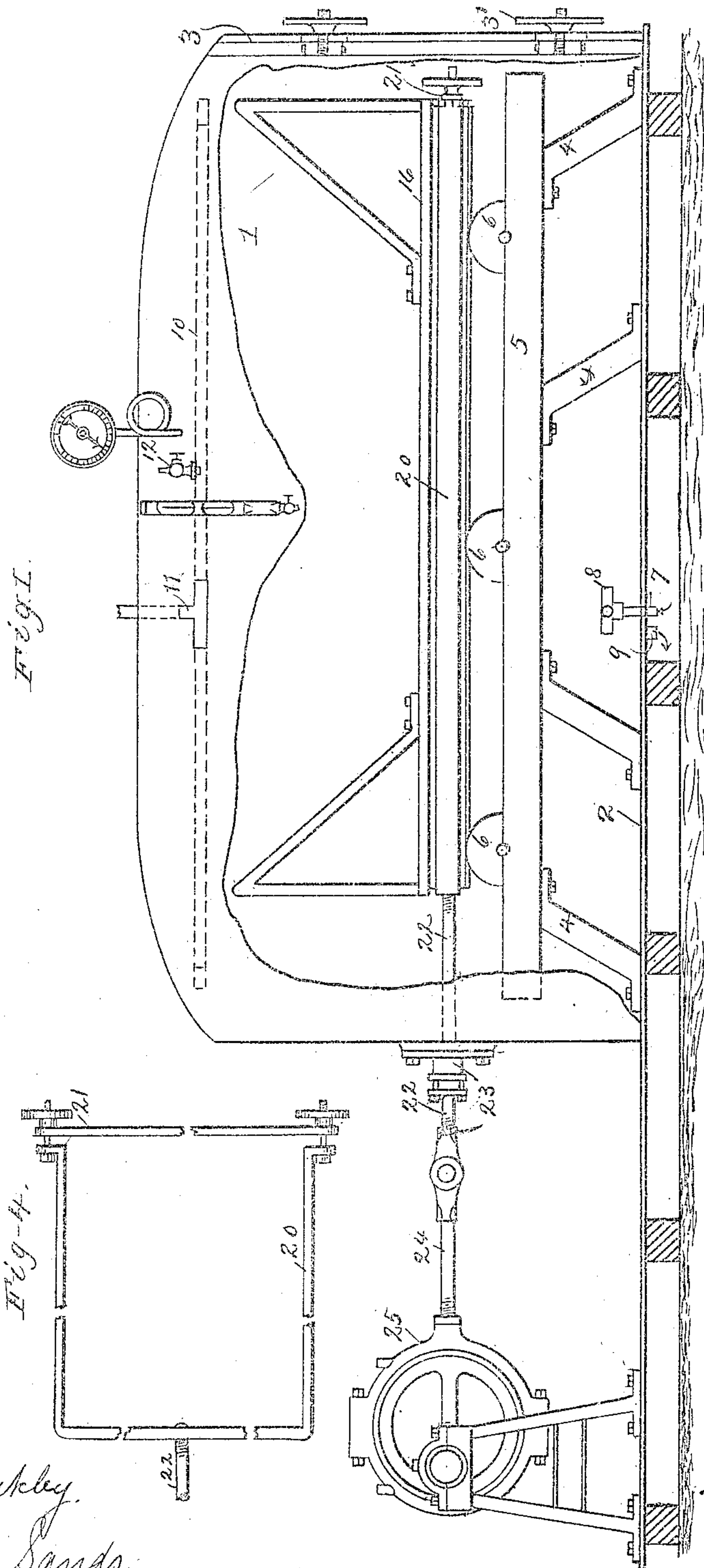
No. 881,120.

PATENTED MAR. 10, 1908.

J. S. GUIBBINI.
COMBINED RETORT AND SHAKER.

APPLICATION FILED JUNE 24, 1907.

2 SHEETS—SHEET 1.



Witnesses
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L. A. Sands.

Inventor
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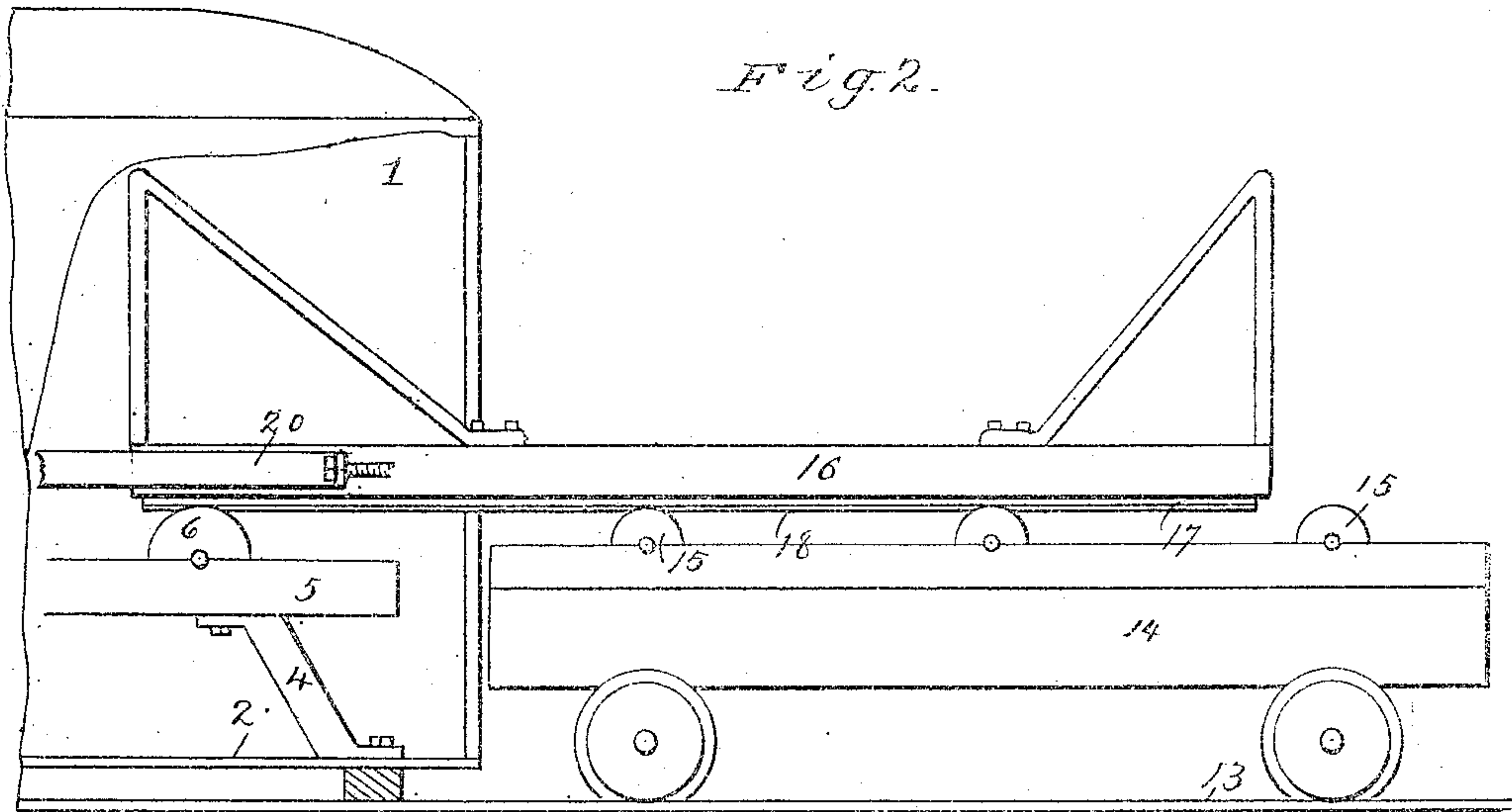
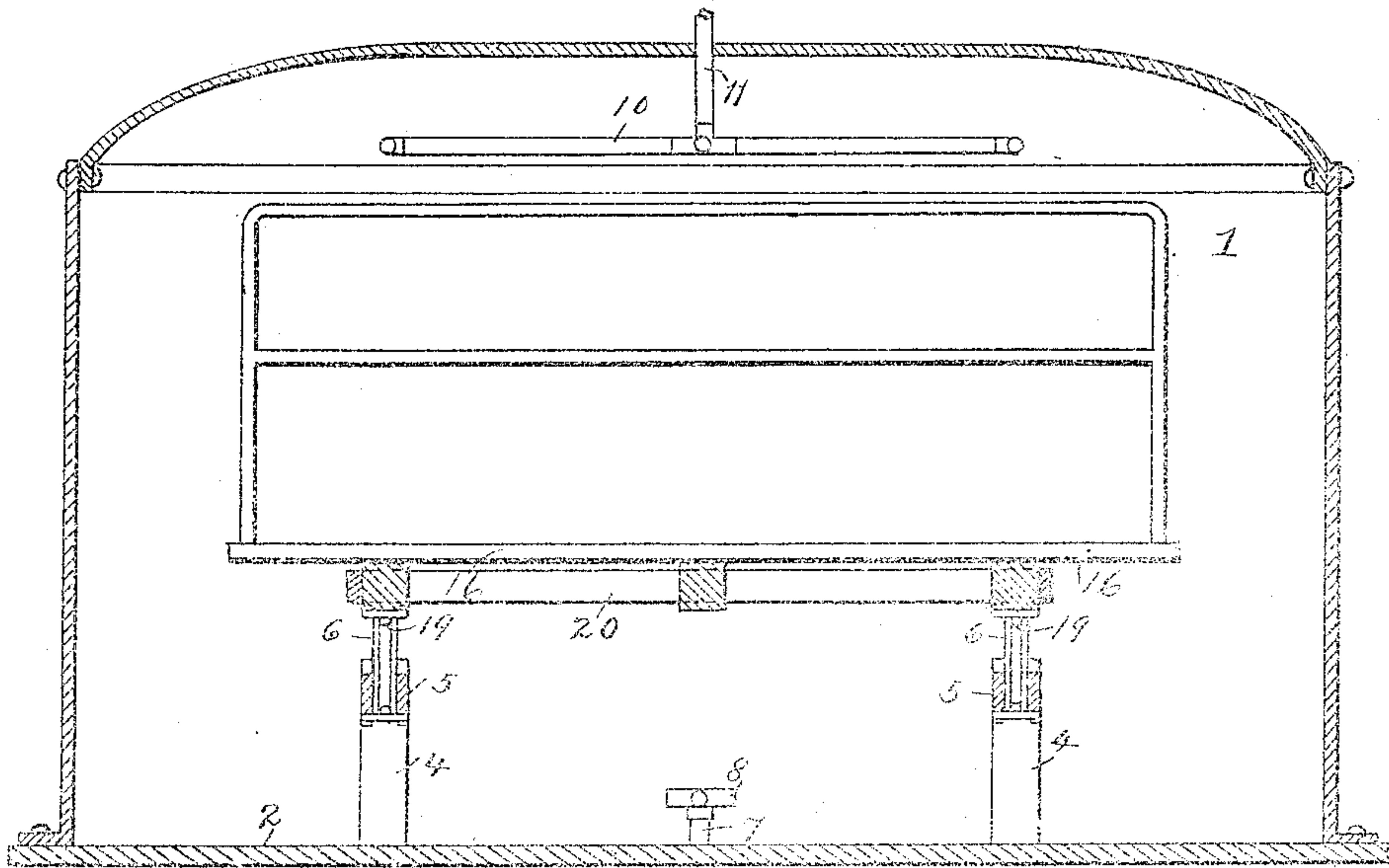


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

JOSEPH S. GUIBBINI, OF BENICIA, CALIFORNIA.

COMBINED RETORT AND SHAKER.

No. 881,120.

Specification of Letters Patent.

Patented March 10, 1908.

Application filed June 24, 1907. Serial No. 380,606.

To all whom it may concern:

Be it known that I, JOSEPH S. GUIBBINI, citizen of the United States of America, residing at Benicia, in the county of Solano and State of California, have invented certain new and useful Improvements in a Combined Retort and Shaker, of which the following is a specification.

This invention relates to new and useful improvements in apparatus for evaporating cream although it is to be understood that it is adapted to sundry other canning processes.

It is an object of the invention to provide novel means in a device of this character for agitating the cream milk while being cooked or during its cooling.

It is also an object of the invention to employ a novel retort whereby the trucks containing cans of the cream may be run therein.

It is also an object of the invention to provide novel means in a device of this character wherein the cream milk may be cooked and cooled within the retort without removing it from the retort, and at the same time be shaken to prevent skin or lumps forming on the milk or cream.

Furthermore, it is an object of this invention to provide a device of the character noted, which will possess advantages in points of simplicity, efficiency and durability, proving at the same time comparatively inexpensive to manufacture.

With the foregoing and other objects in view, the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail, reference will be had to the accompanying drawings forming part of this specification wherein like characters denote corresponding parts in the several views, in which—

Figure 1, is a view in elevation of a retort broken away to show the interior mechanism thereof, the operating mechanism being also shown in elevation. Fig. 2, is a view in elevation of the interior of a fragment of the retort, illustrating the application of a truck thereto. Fig. 3, is a transverse sectional view, through the retort with the truck in place. Fig. 4, is a plan view of the prong.

In the drawings 1, denotes a retort which resembles a box about twice as long as wide or high and with the top rounded off. This form of retort in practice has been found most advantageous. The retort is supported

on a floor 2, which is held slightly elevated above the ground or other base and extends a distance beyond one end or face of the retort. The opposite end of the retort is opened and is provided with a door 3, made of wrought iron, lined with rubber to prevent leakage. It is held in position by the combined hinges and fasteners 3', which allow it to be opened or closed either way and fastened.

Within the retort and secured to the flooring thereof are a series of standards 4, on which is supported a frame 5. In this frame 5, are mounted the rollers 6. It is to be observed that the periphery of these rollers is provided with grooves 19.

The retort is provided with a steam inlet 7, which preferably passes through the flooring of the retort and above the discharge of this inlet in a spreader 8, which is preferably saucer shaped in form. Adjacent the steam inlet and in the flooring of the retort is a steam and water outlet 9. Within the retort and along the top thereof is arranged a spray pipe 10, which is for the purpose of cooling the retort when desired. This spray pipe is in communication with a suitable supply pipe 11. In the top of the retort is located a valve 12, to assure and control the circulation of steam within the retort. The retort is also provided with a pressure gage and a thermometer.

Leading up to the open end of the retort is a trackway 13, on which is moved a truck 14. This truck is provided with a series of rollers 15, similar in form to the rollers 6. On these rollers is the containing truck 16, which is preferably rectangular in form and has on its under surface the rails 17, which are provided with the longitudinal beads 18, which are adapted to engage the grooves 19, of the rollers. On this containing truck are adapted to be placed the cans of milk to be cooked or sterilized. This containing truck is readily transferred from the truck 14, to the rollers of the frame within the retort. After being placed within the retort, the retaining truck is engaged by the prong 20, which is approximately U-shaped. After the prong is in applied position on the containing truck, its free ends have secured thereto a closing member 21. To the base of the prong and centrally thereof is secured a shaft 22, which passes through a bushing 23, and is connected to a pitman 24, which is carried by an eccentric 25, suitably oper-

ated. This eccentric is suitably supported on the extending portions of the flooring of the retort. It is by means of this eccentric and its connecting parts that the cream milk
5 within the retort is shaken or agitated during the process of cooking or cooling.

What I claim is:—

1. In combination, a retort, a truck therein, a prong approximately U-shape engaging the truck, a closing member engaging
10 the free ends of the prong to hold the prong to the truck, and means for engaging the prong to reciprocate the truck.

2. In combination, a retort having means
15 for admitting heating agents, a frame within the retort, rollers on the frame, a prong, a truck in the prong, said truck resting on the rollers, a member secured to the prongs back

of the truck and bearing thereagainst, and means for reciprocating the prong. 20

3. In combination, a retort, a truck therein, a prong approximately U-shaped engaging the truck and extending to the exterior of the retort, a closing member engaging the free ends of the prong to hold the prong to
25 the truck and means for engaging the exterior portion of the prong to reciprocate the truck.

In testimony whereof I affix my signature in the presence of two witnesses this 4th day
30 of June, 1907.

JOSEPH S. GUIBBINI.

Witnesses:

ADDIE M. BILLINGS,
E. M. BILLINGS.