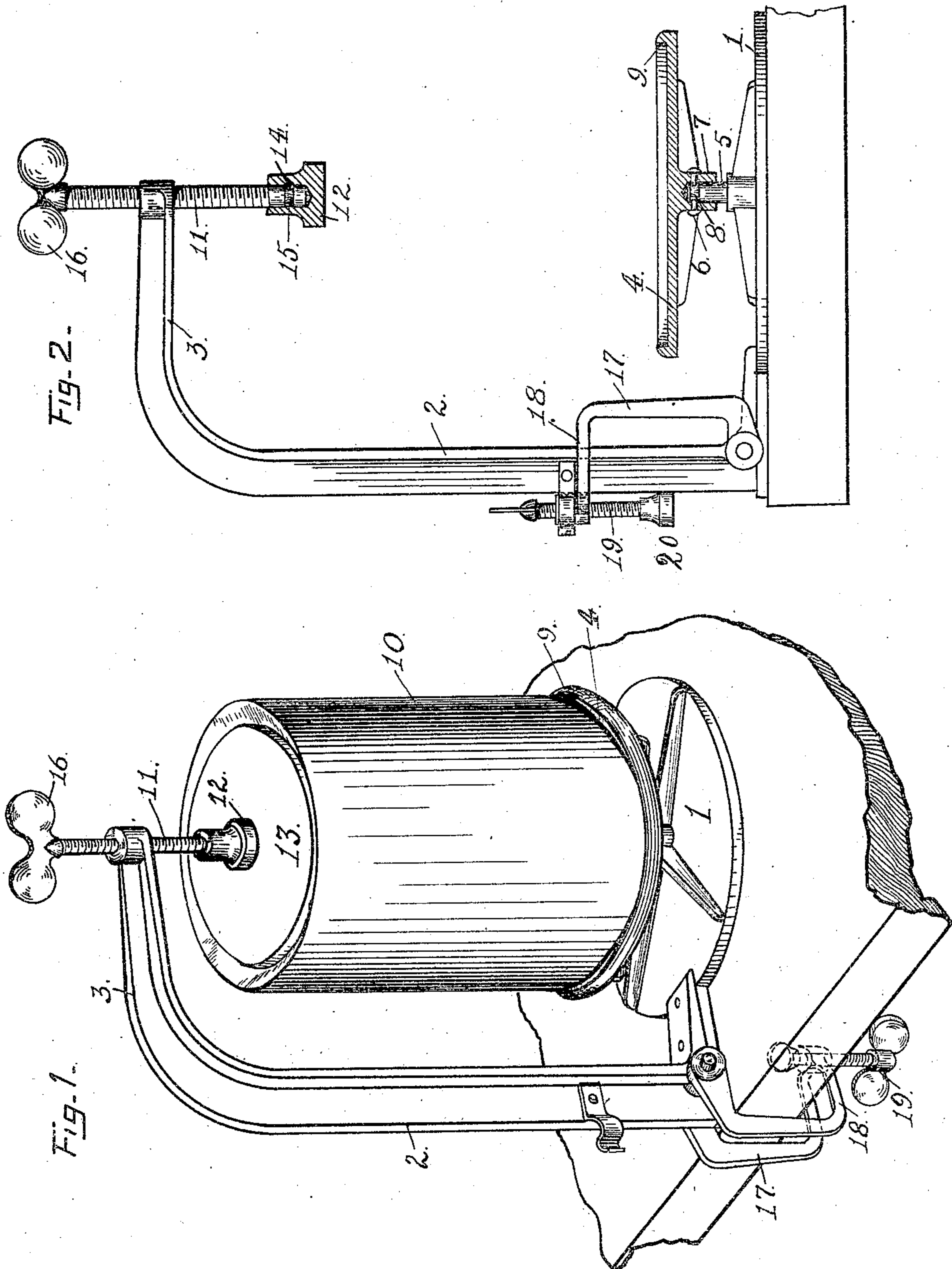


No. 862,493.

PATENTED AUG. 6, 1907.

M. L. MARSHALL.
CAN HOLDING CLAMP.
APPLICATION FILED MAR. 29, 1907.



WITNESSES
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MARY L. MARSHALL, OF ATCHISON, CALIFORNIA.

CAN-HOLDING CLAMP.

No. 862,493.

Specification of Letters Patent.

Patented Aug. 6, 1907.

Application filed March 29, 1907. Serial No. 365,317.

To all whom it may concern:

Be it known that I, MARY L. MARSHALL, a citizen of the United States, residing at Atchison, in the county of Contra Costa and State of California, have invented certain new and useful Improvements in Can-Holding Clamps, of which the following is a specification.

The invention is designed for the use of housewives in the putting up of preserves, vegetables, and other articles in cans. Ordinarily the cans after being filled are hermetically sealed by securing the head thereto through the medium of wax, which is applied in a heated condition. The loosely applied head is commonly held in position by the operator or person attending to the sealing of the cans with one hand, while with the other hand the sealing material is applied to the seam. This requires that both hands of the person sealing the can be employed to hold the can head in position and to apply the sealing material to the seam thereof. The objection to this manner of securing the head to the can is that during the operation of applying the sealing material, the loosely applied head often slips from its position, which results in an improperly sealed or leaky can.

The object of the present invention is to provide a simple and inexpensive device for positively holding the head to the filled can during the operation of sealing the can hermetically, so that the person attending to the sealing of the cans may have free use of the hands. The construction of the device is such that the can may be freely rotated or turned while the sealing material is being applied to the seam thereof in order that an unsealed portion thereof may be brought immediately beneath the flow of the sealing material. As the head is positively held to the filled can, slippage or displacement thereof during the operation of sealing is absolutely prevented.

To comprehend the invention reference should be had to the accompanying sheet of drawings, wherein—

Figure 1 is a perspective view of the holder with a can held therein and the head in position for sealing, the holder being illustrated as attached to an ordinary table; and Fig. 2 is a side view of the holder with the can removed, the clamp heads for the cans being sectioned.

In the drawings the numeral 1 is used to indicate a suitable base, from which springs the upwardly extending bracket arm 2, the upper portion of which is forwardly curved to overhang the rotatable clamp head 4, which head is mounted for free horizontal rotation on the fixed bearing stud 5, secured to and centrally projecting from the base plate 1. The horizontally rotatable clamp head 4 is held to the bearing stud 5 by means of the transversely disposed pin 6, which passes through the hub 7 of the said clamp head 4 and extends within the circumferential groove 8 formed in the upper end portion of the fixed bearing stud 5.

The diameter of the circular clamp head 4 is slightly greater than that of the can to be filled, and the same is formed with a peripheral edge flange 9, within which seats the bottom edge of the can 10, and by means of which the said can is held against displacement.

Through the outwardly extended end or overhang portion 3 of the bracket arm 2, works the screw-threaded stem 11. This stem at its lower end portion carries the rotatable clamp head 12, which clamp head is considerably smaller than the lower clamp head 4, and the same is designed to bear centrally on the can head 13 to be united to the open end of the filled can 10. Said clamp head 12 is held to the stem 11 by means of the pins 14, which extend through the head 12 and project within a circumferential groove 15 on the lower portion of the said stem 11.

The clamp head 12 is a vertically adjustable one, while the lower clamp head 4 is held against vertical movement. Said clamp head 12 is adjusted toward and from the lower clamp head 4 by means of the screw-threaded stem 11, which stem is turned by means of the finger piece 16 forming a portion thereof.

The filled can to be sealed is placed on the rotatable head 4, the can head 13 loosely applied thereto and the stem 11 lowered until the clamp head 12 bears firmly onto the said loosely applied can head 13, the can then being securely held between the rotatable clamp heads 4—12. As the melted wax is poured onto the seam, the operator rotates the clamped can so as to permit the wax to completely fill the seam circumferentially. After the wax has been applied to the seam to hermetically seal the can, the stem 11 is adjusted to move the upper clamp head 12 away from the can head 13, so as to release the sealed can and permit of its being removed from its seat on the lower horizontally rotatable clamp head 4 and placed to one side. The holder is then free to receive another filled can to be sealed.

In order that the device may be secured to the edge of a table, a clamp arm 17 is hinged to the bracket arm 2, said clamp arm being formed with an inwardly projecting extension 18, which, when the arm 17 is thrown downward, comes below the edge of the table, Fig. 1 of the drawings. Through this extension 18 works the screw-threaded clamp rod 19, the head 20 of which when the clamp rod is screwed up bears against the under face of the edge of the table to clamp the holding device thereto.

Having thus described the invention what is claimed as new and desired to be protected by Letters Patent is—

1. In a device for the holding of filled cans during the operation of sealing a loosely applied head thereto, the combination with a suitable base, of a bracket arm upwardly springing therefrom, said bracket arm being formed with a forwardly extended overhang portion, of a screw-threaded adjusting stem working through the overhang portion of the bracket arm, of a clamp head rotatably

connected to the adjusting stem, of a stud centrally projecting from the base plate, and a clamp head secured to said stud for horizontal rotation.

2. In a device for the holding of filled cans while a
5 loosely applied head is sealed thereto, the combination with a suitable base, of a bracket arm upwardly springing therefrom, said bracket arm being formed with a forwardly extended overhang portion, of a screw-threaded adjusting stem working through the overhang portion of the bracket
10 arm, of a clamp head rotatably connected to the adjusting stem, of a stud centrally projecting from the base plate,

of a clamp head secured to the said stud for horizontal rotation, and of means for clamping the holding device to a table or platform, said means comprising a hinged clamp arm and a clamp screw working therethrough.

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In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MARY L. MARSHALL.

Witnesses:

L. A. MARTIN,
E. HILLMAN.