

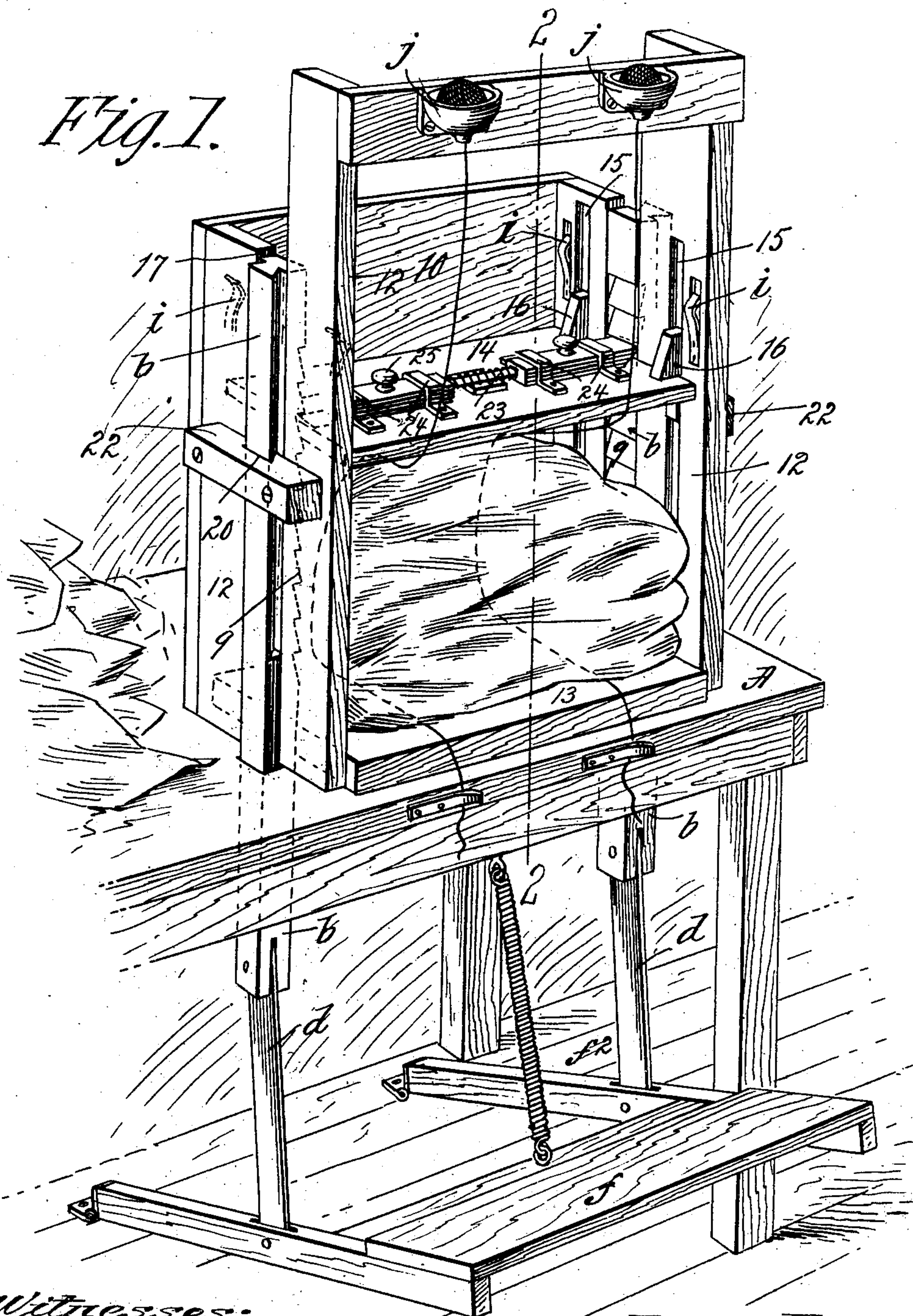
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PATENTED JULY 24, 1906.

C. L. BROWN.
MACHINE FOR BUNDLING LAUNDERED ARTICLES.

APPLICATION FILED FEB. 26, 1906.

2 SHEETS—SHEET 1.



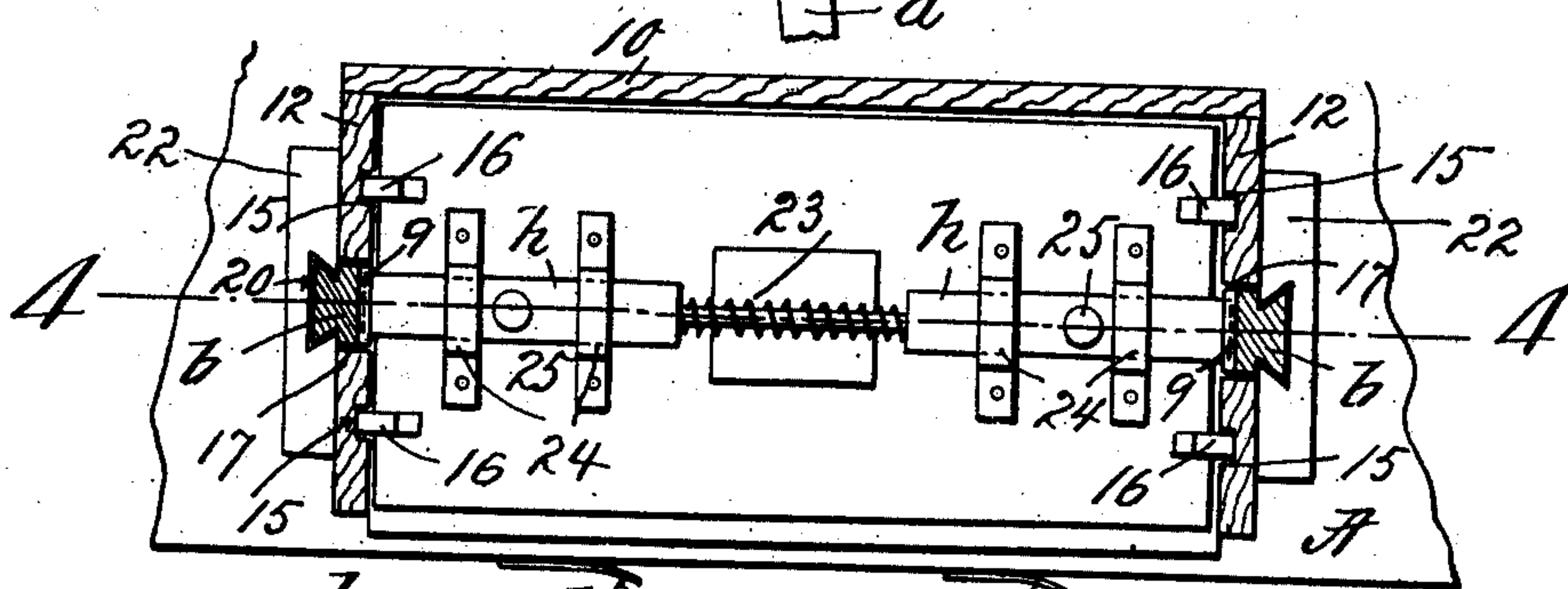
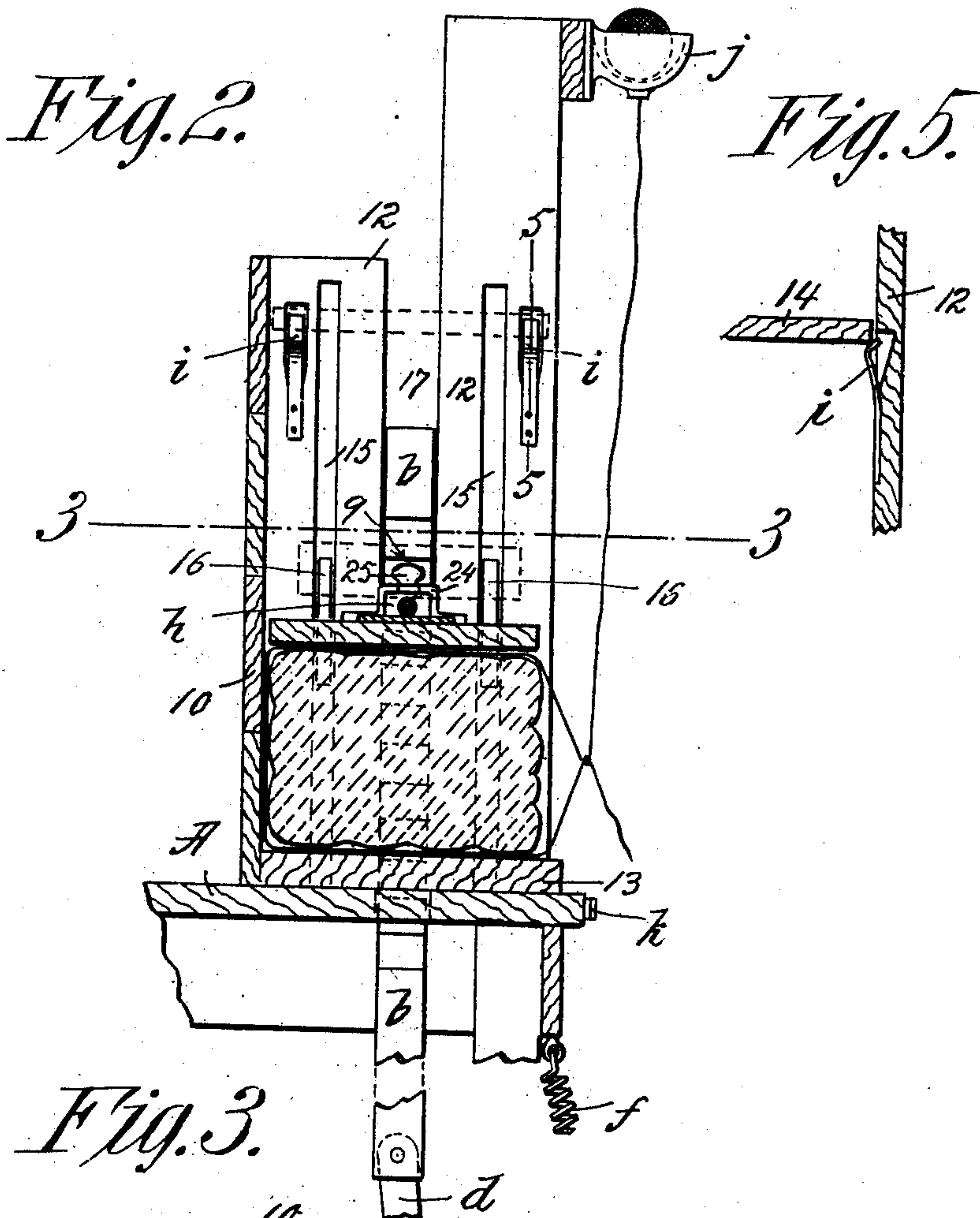
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2 SHEETS—SHEET 2.



Witnesses:

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Fig. 4.

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UNITED STATES PATENT OFFICE.

CHARLES L. BROWN, OF SPRINGFIELD, MASSACHUSETTS.

MACHINE FOR BUNDLING LAUNDERED ARTICLES.

No. 826,761.

Specification of Letters Patent.

Patented July 24, 1906.

Application filed February 26, 1906. Serial No. 303,117.

To all whom it may concern:

Be it known that I, CHARLES L. BROWN, a citizen of the United States of America, and a resident of Springfield, in the county of Hampden and State of Massachusetts, have invented certain new and useful Improvements in Machines for Bundling Laundered Articles, of which the following is a full, clear, and exact description.

This invention relates to a machine especially for bundling rough-dried laundered articles. By its use a quantity of the un-ironed laundered articles are placed in a forwardly-open compartment or receiver relatively to a length or lengths of twine. A horizontal section or wall of the compartment is then vertically adjusted to contract the space approximately corresponding to the given height of the pile of laundered articles, such section or wall being then so locked in its adjustment as to maintain it in close relation to the laundered pieces, and then one of the horizontal sections or walls of the receiving-receptacle is forcibly moved to compress the bundle as much as desirable, whereupon the twine may be tightened and tied, all to the end of facilitating the preparation of the work for final wrapping and delivery in compact and attractive shape.

The invention consists in combinations and arrangements of devices and parts, substantially as hereinafter described, and covered in and by the claims.

This machine is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the same with clear indication of the manner of its use. Fig. 2 is a vertical sectional view from front to rear as taken on line 2 2, Fig. 1. Fig. 3 is a horizontal section on line 3 3, Fig. 2. Fig. 4 is a vertical section of a part of the machine, taken on line 4 4, Fig. 3. Fig. 5 is a vertical sectional view in detail taken on line 5 5, Fig. 2.

Similar characters of reference indicate corresponding parts in all of the views.

In the drawings, A represents the table or bench, on which is supported a receiver or receptacle for the laundered pieces, the same comprising a back 10, opposite sides 12 12, a bottom 13, and a top 14, the latter being vertically movable, and the said receptacle is open at its front, as shown.

In order that the upper horizontal wall or movable top section 14 of the receptacle may have its proper vertical movements both for adjustment and compression, as hereinafter

apparent, steadily and without any tilting, the opposite side walls 12 12 have within their inner surfaces separated parallel pairs of vertical grooves or guideways 15 15, in which blocks or projections 16, formed on or connected with the ends of the movable top, are fitted for sliding engagements. The opposite side walls 12 12 have about centrally therein long vertical slideways 17 17, in which are fitted for vertical movements the vertical bars *b b*, the lower end of which are extended through guiding-apertures therefor in the table and by the links *d d* are connected to the side bars of a treadle the depression of which is against the retracting-spring *f*². The outer portions of the said bars *b* are of dovetail form and are fitted through dovetail recesses 20 and horizontal tie-bars 22, which connect and brace the portions of the sides 12 12 at the front and rear of the slideways 17. The inner faces of the slide-bars *b* are formed with series of ratchet-teeth 9 in vertical lines, traversing the ends of the movable top 14. The said movable top has thereon a pair of sliding latches *h h*, normally outwardly distended by the spring 23, arranged in compression between the latches, 24 representing guides for the latches, and 25 studs or handles by means of which to conveniently operate them when it is purposed to disengage the vertically-slidable top section 14 from the ratchet-tooth slide-bars *b b*, which are included in the means for forcibly moving the top.

i i are spring-detents provided on the inner faces of the receptacle side walls at suitably high points and serve to temporarily hold the movable top in an elevated position when disconnected by being unlatched from the vertical slide-bars *b b*, conducing to convenience in the use of the machine at the time of laying the laundered articles to be bundled in the receiving compartment or receptacle.

j j represent a pair of twine-holders which may be of any suitable kind mounted on the front upper portion of the machine, and *k k* represent a pair of spring-clips or twine-retainers at the forward bottom portion of the machine.

Preparatory to making a compressed bundle the top 14 is unlatched and slid to an extreme upper position to be engaged and supported by the yielding pressure by the spring-detents *i i*. The depending lengths of the twine drawn from the supply in the twine-holders are carried inwardly within the receptacle, the end portions, however, being

outwardly returned and caught under the spring clips or retainers *k*. The pieces in quantity or number sufficient for making the bundle are laid into the receptacle and in proper relation to the partially-encircling twines, and the top 14 is then forced down to contact against the uncompressed pile; the spring-latches *h h* clicking past the ratchet-teeth 9 of the side slide-bars and being left in engagement therewith. Now by forcing down the treadle *f* the side bars downwardly moving carry as one therewith the top section 14, which is in substance a platen, and the compression of the laundered pieces is accomplished in the desired degree, and the bundle may be then quickly tied by the already partially engaged strings. The foot-pressure being released, the slide-bars *b* have upwardly-returning movements, and the operator inwardly forcing the latches moves the top section 14 up to the position of its temporary retention by the spring-detents *i*, whereupon the bundle is removed and the machine is in readiness for a repetition of its use, as described.

Various changes may be made in respect of minor details and arrangements in a machine of this character without departure from my invention.

I claim—

1. In a machine of the character described, in combination, a support or table, a receptacle thereon comprising a vertical back, vertical opposite sides, open front and top and bottom sections, one of which is vertically movable from and toward the other and guided by the vertical walls of the receptacle, a pair of oppositely-located vertically-movable bars adjacent opposite portions of said movable section, means for detachably engaging such movable section with said vertically-movable bars, and means for imparting vertical movements to said bars.

2. In a machine of the character described in combination, a support or table, a receptacle, thereon, comprising a back and opposite sides, and open at its front, a top therefor, a pair of vertical bars having portions adjacent

the ends of the top and relatively to which said top is adjustable vertically, latches on the top for the detachable engagement of the latter with said vertical bars, and means for imparting vertical movements to said bars.

3. In a machine of the character described in combination, a support, a receptacle thereon comprising a back, opposite sides having vertical ways therein, and open at its front, and a movable top, a pair of vertical bars movable in said ways and having series of ratchet-teeth on their inner faces, adjacent which the ends of said top are located, a pair of outwardly-spring-pressed latches on said top engaging the ratchet-teeth of said bars, and a foot-treadle connected with said bars.

4. In a machine of the character described in combination, a support, a receptacle, thereon, comprising a back and opposite sides having parallel vertical slideways within their inner faces and said receptacle having a bottom and an open front, a top vertically movable within said receptacle having end members engaging in the said pairs of vertical slideways, a pair of vertical bars, latches on the top for the detachable engagement of the latter with said bars, and means for imparting vertical movements to said bars.

5. In a machine of the character described in combination, a support or table, a receptacle, thereon, made with a bottom section, a back, and opposite sides, and open at its front, a top for said receptacle vertically movable within the same, spring-detents at the upper portion of the inner surfaces of the said sides for temporarily holding the top in an elevated position, a pair of vertical bars relatively to which said top is vertically adjustable, latches on the top for the detachable engagement of the latter with said vertical bars and means for imparting vertical movements to the bars.

Signed by me at Springfield, Massachusetts, in presence of two subscribing witnesses.

CHARLES L. BROWN.

Witnesses:

WM. S. BELLOWS,

G. R. DRISCOLL.