

J. TEML.
 BARREL PRESS.
 APPLICATION FILED OCT. 17, 1908.

928,562.

Patented July 20, 1909.

Fig. 1,

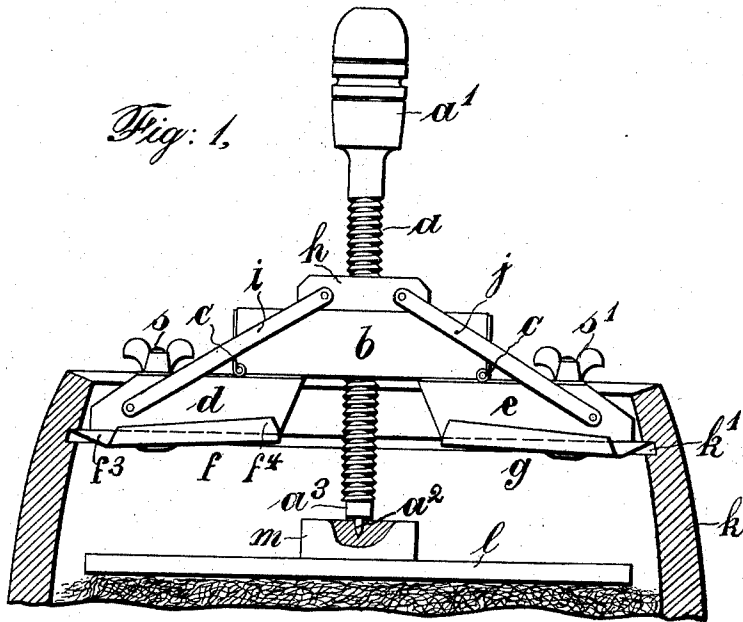


Fig. 2,

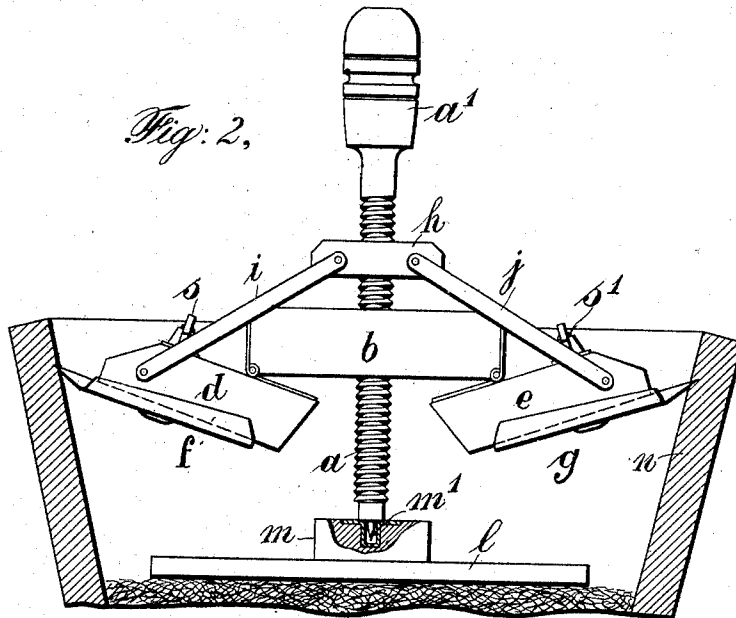
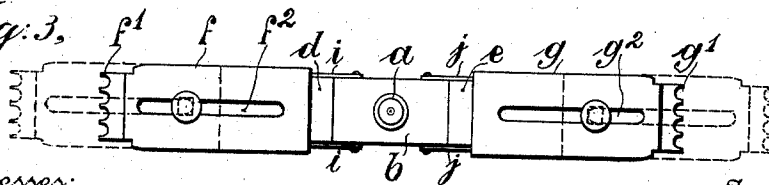


Fig. 3,



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN TEML, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO GUSTAV AUGUST SCHMIDT,
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BARREL-PRESS.

No. 928,562.

Specification of Letters Patent.

Patented July 20, 1909.

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To all whom it may concern:

Be it known that I, JOHN TEML, a citizen of the Empire of Austria-Hungary, and a resident of New York, in the county and State of New York, have invented certain new and useful Improvements in Barrel-Presses, of which the following is a specification.

This invention has reference to a novel barrel press to be used for creating pressure in barrels in which perishable goods are preserved, stored or undergo fermentation under pressure as, for instance, preserved vegetables, pickles, sauerkraut, pickled meats and the like. These perishable goods are subject to decay or will mold or sour if sufficient pressure is not supplied.

Heretofore pressure was created in barrels containing perishable goods by simply placing weights on a wooden cover within the barrel and anything heavy was used for instance iron weights and stones. These are neither sanitary nor conveniently handled and the preserving liquid easily came in contact with the weights and stones.

It is the purpose of this invention to produce a barrel press of simple construction which is always at hand and may easily be applied to and removed from the barrel without coming in contact with the goods or the liquid. The novel barrel press further is horizontally adjustable so that one press may be applicable in barrels of different diameters all as will be fully described hereinafter with reference to the accompanying drawing in which:

Figure 1 represents in front elevation, a barrel press as applied, embodying in desirable form the present improvements. Fig. 2 illustrates in front elevation, the press in an adjusted position, and Fig. 3 is a bottom plan view of same.

Similar characters of reference denote like parts in all the figures.

In the drawings *a* represents a threaded rod or screw provided at the top with a handle *a'* which is preferably integral therewith. A pin *a²* is secured in the bottom portion of the screw which bottom portion may be protected by a metal ring *a³*. The screw is usually made of wood but any other suitable material may be employed. An oblong wooden block *b* threaded in its central portion acts as the nut for the screw. Accordingly the oblong block is rectangular to the

screw and extends horizontally. On each side of the block *b* there is secured a hinge *c* by means of one hinge leaf or strap so that the hinge proper rests in a short semi-circular incision at the bottom end portion of the block *b* as shown in Figs. 1 and 2. To the second leaf or strap of each hinge a wooden block is secured so that the end of the leaf is at the inner end of the block. These blocks *d, e* also extend horizontally and outwardly and the downward movement of each block is limited by the inner portion of same which is covered by the one hinge leaf and rests against the bottom surface of the block *b*. Thus the blocks *d, e* are normally in a horizontal position but may be turned on the hinges assuming then an upwardly inclined position as shown in Fig. 2.

At the bottom of the block *d* a shoe *f* is provided embracing the lower portions of the long sides of the block and having teeth or prongs *f'* on its outer front end. The shoe *f* has in its central portion an elongated slot *f²* and a set screw *s* with permanent head passes through the outer portion of the block *d* holding the shoe in position. The base portion *f³* of the shoe is wedge shaped being thick near the teeth and thin inside while the side portions *f⁴* form inverted wedges being broad inside and narrow near the teeth. By means of the set screw the shoe is horizontally adjustable and the peculiar wedge shaped construction of same renders its operation very reliable. The wooden block *e* located opposite the block *d* carries a like shoe *g* on its lower surface. This shoe has prongs or teeth *g'* and a central slot *g²* and is held in position in the same manner as the shoe *f* by means of a set screw *s¹*.

In order to render the operation of the set screws convenient, the upper end portion of the blocks *d, e* near the set screws is slantingly cut off which also allows of moving these blocks close to the inner surface of the barrel.

For the purpose of strengthening the device a wooden block *h* with central opening but without a thread is provided on the screw *a* above the block *b*. The block *h* moves loosely on the screw and carries on the one side two movable braces *i* and on the other side two like braces *j*. The lower ends of the braces *i* connect with the block *d* while the lower ends of the braces *j* connect in like manner with the wooden block *e*.

These braces accordingly act both as a guiding and protecting means when the blocks *d, e* are brought into an upwardly inclined position as shown in Fig. 2.

5 The application and operation of the press within the barrel or other receptacle is very simple. To introduce the device into a somewhat narrow barrel *k*, the blocks *d, e* are brought into an upwardly inclined position and the prongs or teeth of the shoes *f, g* are then placed into the annular groove *k'* of the barrel in which usually its cover rests. On the goods within the barrel there is located a cover *l* having a central block *m*.
 10 The pin at the bottom end of the screw pierces the block *m* and now pressure is created by tightening the screw. The block *m* may have a central metal lined opening *m'* as shown in Fig. 2. It is plainly understood that the preserving liquid cannot reach the lower parts of the apparatus. Upon loosening the screw the device may easily be removed together with the cover *l* and some of the goods taken out. When the device is applied farther down in the barrel where it is broader, the shoes *f* and *g* are simply adjusted by loosening the set screws, moving the shoes outwardly and tightening them again. In a barrel or vessel *n*, see Fig. 2, which becomes narrower farther down the shoes *f* and *g* may be moved inwardly and furthermore the blocks *d, e* carrying the shoes in an upwardly inclined position. In all instances however, the teeth or prongs of the shoes will hold the device in the desired position.

I claim as my invention:

1. A barrel press, comprising a screw with handle, a threaded elongated block thereon, a hinge secured with one leaf on each short side of said elongated block, a block secured to the second leaf of each hinge so that said leaf extends inwardly on said block, a shoe on each lower block having an elongated slot in the center and teeth on its outer end, and a set screw in each lower block with head for securing and adjusting the shoe.

2. A barrel press, comprising a screw with handle, a threaded elongated block thereon,

a hinge secured with one leaf on each short side of said elongated block, a lower block secured to the second leaf of each hinge so that said leaf extends inwardly on said block, a shoe on each lower block having centrally an elongated slot and teeth on its outer end, a set screw in each lower block with head for securing and adjusting the shoe, a loose small block on the screw above the threaded block, and side braces movably secured to said loose block and the outer portions of the shoe carrying blocks.

3. An adjustable barrel press, comprising an elongated screw with handle at the top and pin at the bottom, a threaded elongated block thereon, hinges secured one to each short side end of the threaded block, two lower blocks secured one to each hinge so that the lower hinge leaf extends inwardly and having a slantingly cut off outer portion, an adjustable shoe on each of the lower blocks having teeth on their outer ends, a small loose block on the screw above the threaded block, and side braces movably secured to said loose block and the outer portions of the shoe carrying blocks.

4. An adjustable barrel press, comprising an elongated screw with handle at the top and pin at the bottom, a threaded elongated block thereon, hinges secured one to each short side end of the threaded block, two lower blocks secured one to each hinge so that the lower hinge leaf extends inwardly and having a slantingly cut off outer portion, an adjustable shoe on each of the lower blocks formed of a wedge shaped base plate decreasing toward the inside and inversely wedge shaped side flanges and having teeth on the outer ends of the base plate, a small loose block on the screw above the threaded block, and side braces movably secured to said loose block and the outer portions of the shoe carrying blocks.

Signed at New York, N. Y., this 15th day of October, 1908.

JOHN TEML.

Witnesses:

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 FLORA GREENWALD.