No. 776,538. PATENTED DEC. 6, 1904.

G. E. O'NEILL.

DEVICE FOR APPLYING FLUID PRESSURE TO THE INSIDES OF PACKAGES.

APPLICATION FILED SEPT. 27, 1904.

NO MODEL.

Fig. I

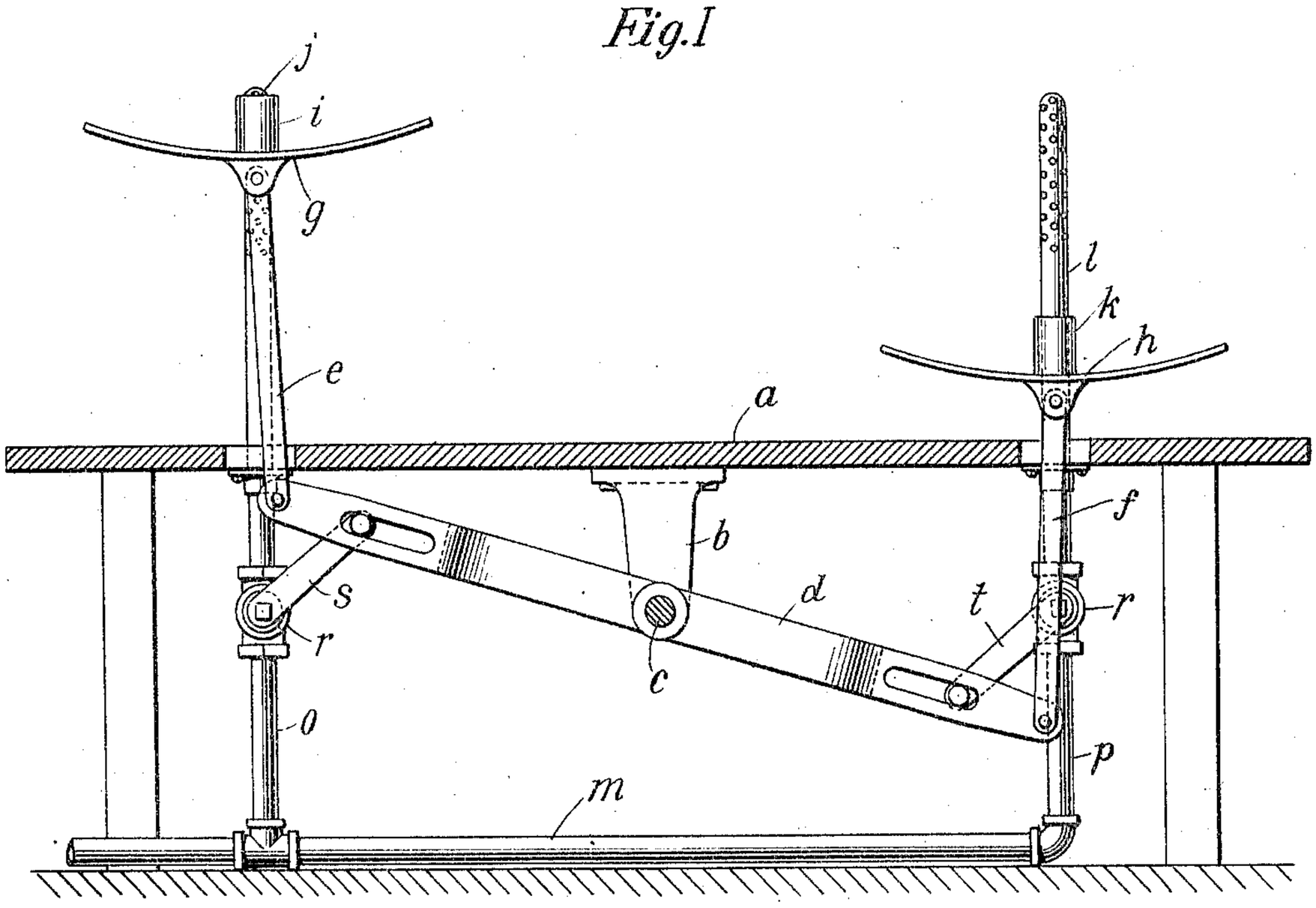
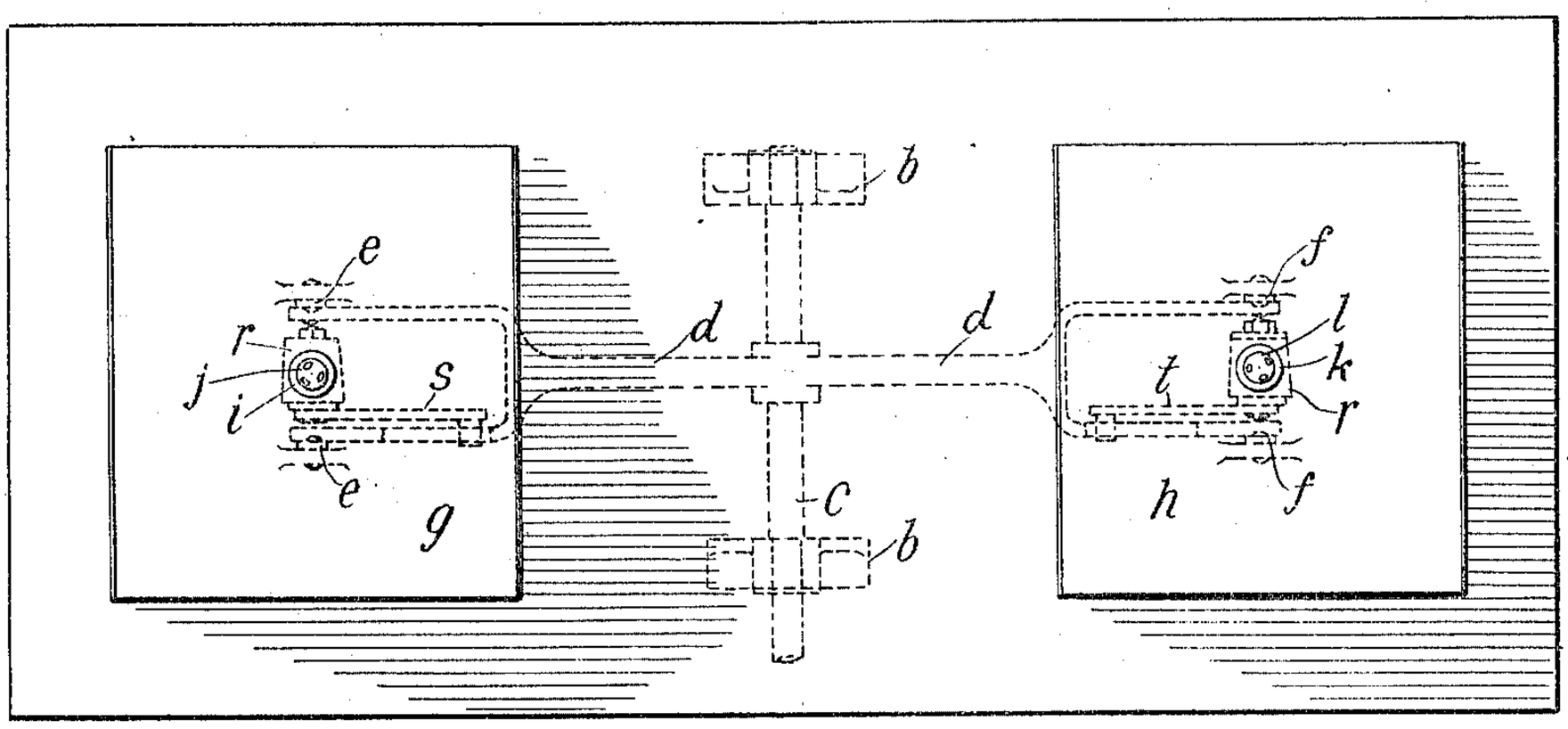


Fig. II



Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE E. O'NEILL, OF BROOKLYN, NEW YORK, ASSIGNOR OF ONE-HALF TO JOHN T. WILLOUGHBY, OF BROOKLYN, NEW YORK.

DEVICE FOR APPLYING FLUID-PRESSURE TO THE INSIDES OF PACKAGES.

SPECIFICATION forming part of Letters Patent No. 776,538, dated December 6, 1904.

Application filed September 27, 1904. Serial No. 226,254. (No model.)

To all whom it may concern:

Be it known that I, GEORGE E. O'NEILL, a citizen of the United States, residing in the borough of Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Devices for Applying Fluid-Pressure to the Insides of Packages, of which the following is a specification.

As my invention will probably find its most common application in the washing, steaming, and pitching of kegs, I have illustrated an apparatus capable of use for steaming barrels or kegs.

I will first describe the construction of the form of my invention illustrated in the drawings and will then describe the preferred mode of operation.

In the drawings, Figure I is a side elevation of the apparatus, and Fig. II is a plan view.

In the figures, *a* indicates a table or support from which is supported brackets *b*, in which is journaled a rock-shaft *c*. This rock-shaft is provided with a rocking frame *d*, which rocking frame is shown as pivoted at one end to links *e* and at the other end to links *f*. The links *e* are pivoted to a rising-and-falling keg-support *g*, and the links *f* are connected pivotally to a rising-and-falling keg-support *h*. The keg-support *g* is provided with a sleeve *i*, which surrounds a sprayer-nozzle *j*, and the keg-support *h* is similarly provided with a sleeve *k*, which surrounds a sprayer-nozzle *l*. A suitable stationary steam-pipe *m* is connected by branches *o p* to the nozzles *j l*, respectively, a valve *r* being provided in each pipe to control the flow of steam and provided with handles *s t*, pivotally connected to the rocking frame *d*.

The device is operated as follows: The keg or barrel is supposed to be upon the platform or keg-support *h*, with the nozzle extending into the keg. Another keg is placed on the bushing *i* and the platform *g* is depressed. As the platform *g* is depressed the nozzle *j* will enter the keg and the rocking frame will raise the platform *h*, and as the rocking frame rocks and the keg is withdrawn from the nozzle *l* steam will be shut off from the nozzle *l* and admitted to the nozzle *j*, whereupon the keg is removed from the platform *h* and another keg placed thereon, whereupon the platform *h* is depressed, cutting off the supply of steam to the nozzle *j* and admitting a supply of steam to the nozzle *l*. The barrels are placed on the nozzles alternately, and superheated steam is turned into the barrels at a sufficiently high pressure to soften or melt the pitch. The pitch thereupon runs out of the bung-hole of the barrel or keg, being carried out by the steam, and the barrel or keg is at the same time heated by the steam and dried inside and may be immediately passed in such heated condition to the pitching-machine.

I found that six seconds are sufficient to thoroughly steam and pitch and dry out the kegs or barrels and that a steam-pressure of one hundred and fifty pounds to the square inch is advantageous, although it may be understood that other pressures may be employed without departing from the spirit of my invention.

It will be understood that while I have specifically described and claimed a device for cleaning barrels I do not limit myself thereto, but desire to include any and all uses to which the invention may be put.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a machine for washing, &c., kegs or barrels, the combination of a plurality of keg-supports, a plurality of nozzles coöperating with the said keg-supports, means for effecting a movement of translation between the keg-supports and the nozzles, and a connection between the respective systems of keg-supports and nozzles whereby one will be active while the other is inactive.

2. In a machine for steaming or washing barrels the combination of a plurality of keg or barrel supports, a plurality of nozzles, a source of fluid-supply for each keg-support, and a swinging connection between the keg-supports for mutually controlling the fluid-supply of the respective keg-supports.

3. In a machine for steaming, washing or pitching barrels, the combination of a plu-

rality of rising and falling keg or barrel supports, a plurality of fluid-supply nozzles, one for each of the keg-supports, a means for controlling the fluid-supply to the respective nozzles comprising in its structure a moving connection between the keg-supports, and the means for controlling the fluid-supply.

4. In a machine for washing, &c., kegs or barrels, the combination of a rocking frame, a plurality of keg-supports connected to said rocking frame, a plurality of nozzles and a connection between the rocking frame and the nozzles for controlling the fluid-supply.

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Witnesses:
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