

No. 680,925.

Patented Aug. 20, 1901.

J. F. KIELEY.  
CAN HOLDING DEVICE.

(Application filed June 25, 1900.)

(No Model.)

Fig. 1

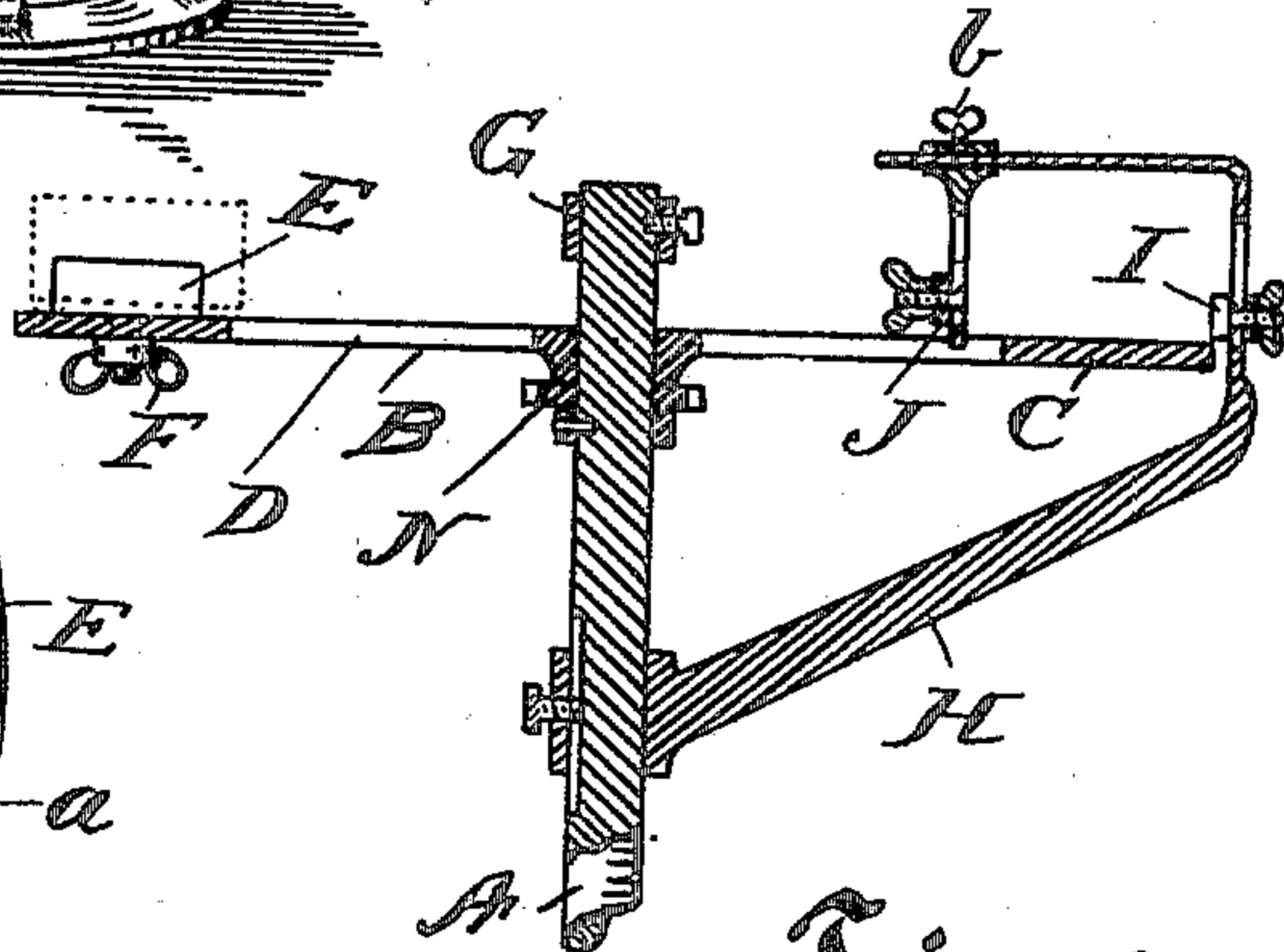
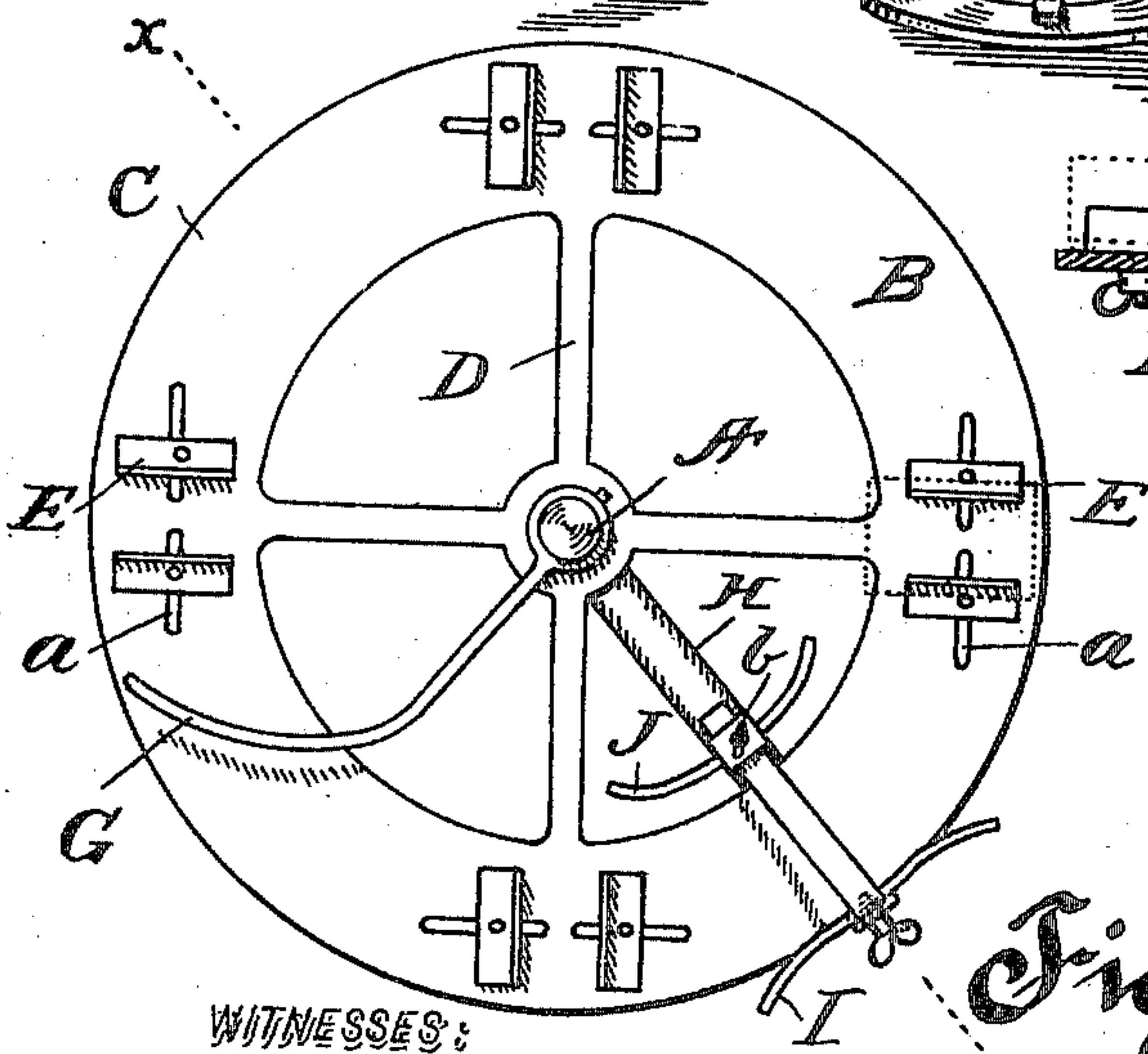
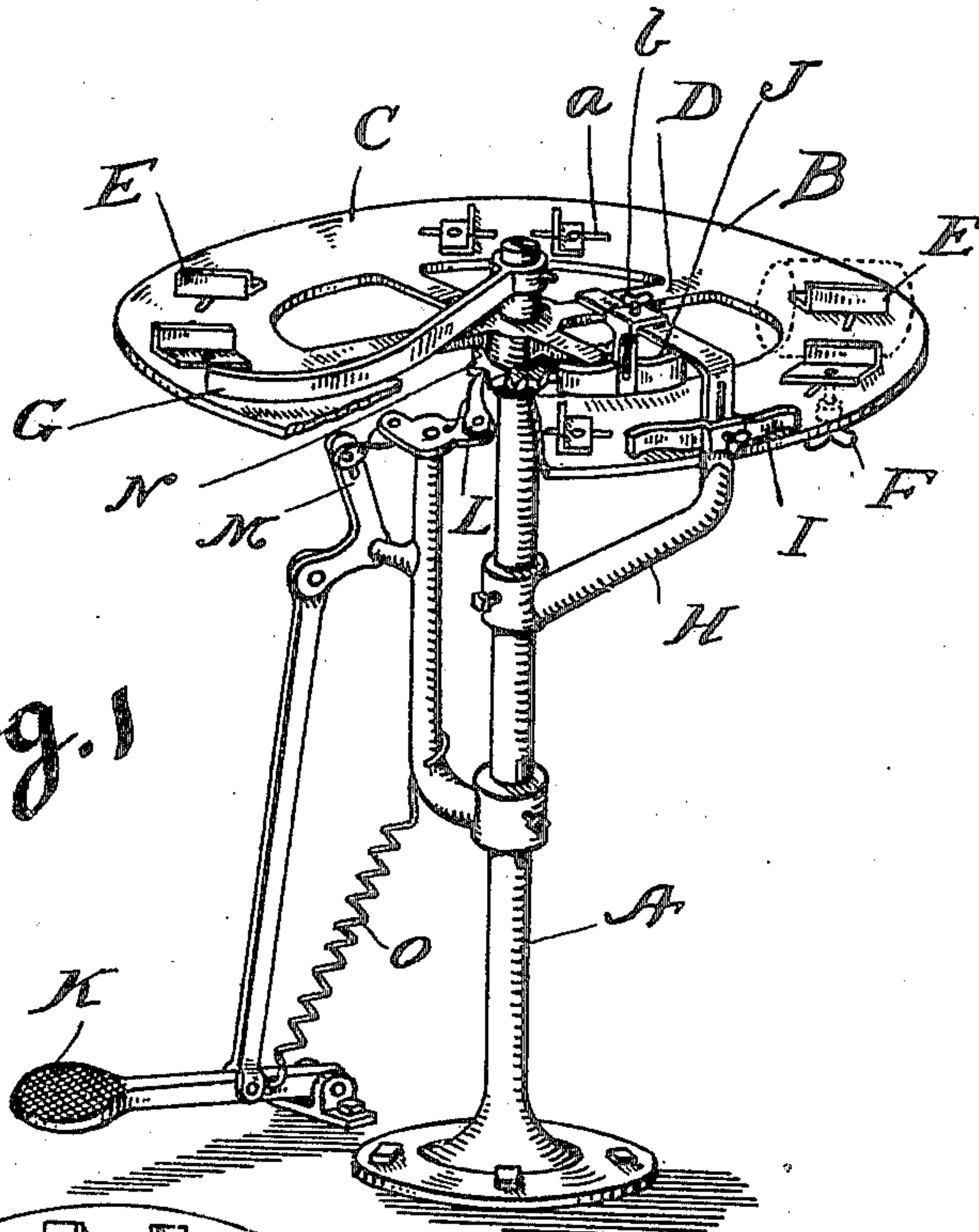


Fig. 3

Fig. 2

WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOHN F. KIELEY, OF SAN JOSE, CALIFORNIA.

## CAN-HOLDING DEVICE.

SPECIFICATION forming part of Letters Patent No. 680,925, dated August 20, 1901.

Application filed June 25, 1900. Serial No. 21,569. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN F. KIELEY, a citizen of the United States, residing at San Jose, in the county of Santa Clara and State of California, have invented certain new and useful Improvements in Can-Holding Devices; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates in a general way to that class of devices known in the art as "can-holders;" but, to be more specific, it is a device for holding cans and feeding them during the process of soldering the seams therein.

The prime object of my present invention is to provide a device on which a plurality of cans can be conveniently held and successively fed to the operator for soldering, after which they are automatically thrown from the holder to make room for other unsoldered cans.

In carrying out the above prime object of my invention I have not overlooked the requisites of strength and durability and have, further, paid particular attention to the matter of simplicity of construction and efficiency of operation.

The objects of my invention I am enabled to accomplish by the means illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the complete device with a portion of the front broken away to show the arrangement of the otherwise-hidden parts. Fig. 2 is a top view of the rotary holder, and Fig. 3 is a section on the line  $x x$  of Fig. 2.

Referring now to the above views by letter, A represents a stationary vertical standard securely bolted to the floor and on which the principal parts of the device are supported. Revolvably supported near the upper extremity of the standard A is the metal plate or disk B, which is formed with the flat rim C and the radiating spokes D. On the upper surface of the rim C is arranged a series of L-shaped lugs E, which are grouped in pairs for the accommodation of the body of the can to be soldered. These lugs E are adjustably secured to the rim C by means of the thumb-nuts F, which pass through slots  $a$  in the rim.

From the description so far gone into it will be seen that if the cans to be soldered are fed

onto the plate B with the seam uppermost the plate can be quickly revolved in order to bring the can directly in front of a second attendant and in a position to facilitate its rapid and efficient soldering.

As a means for removing the cans from the plate B after they have been soldered I have provided the curved arm G, which is stationary on standard A and against which the cans strike and are pushed outward as the plate B revolves.

It will be quite evident that as the cans are fed rapidly onto the plate B it would be almost impossible to place them all exactly the same distance from the center of the plate unless some sort of guide were provided. Now to do this guiding I have provided the stationary arm H, on which is adjustably secured the outside guide I, while the inside guide J is made adjustable by means of the thumb-nuts  $b$ . The cans after being placed on the rotary plate B must pass between these guides, and consequently all assume a like position ready for soldering.

In order to provide foot-actuated means by which the operator can readily rotate the plate B after a can has been soldered sufficiently to bring the succeeding can directly in place for soldering, I have used the foot-lever K. This lever is connected to the spring-pressed pawl L by means of the bent lever M. The pawl L engages with the ratchet-wheel N on plate B. It is manifest that as lever K is pressed downward the pawl L will engage the ratchet-wheel N and turn the plate B the desired amount, while as soon as the lever K is released the spring O will elevate it and allow the pawl L to engage the next tooth of the wheel N.

For sake of simplicity I have shown only four pairs of lugs E; but it will be understood that the entire surface of the rim C can be taken up by pairs of lugs, which would bring the cans close together.

From the above description it will be readily seen that I have provided a very simple device on which a plurality of cans can be readily positioned and successively brought before an operator for the purpose of soldering, after which they are automatically thrown from the holder to make room for the accommodation of other unsoldered cans.

I am aware that various changes in the form



and proportion of parts of the devices herein shown and described as an embodiment of my invention can be made without departing from the spirit or sacrificing the advantages thereof, and I therefore reserve the right to make such changes and alterations as fairly fall within the scope of my invention.

What I claim, and desire to secure by Letters Patent, is—

10 1. In a device of the class described, the combination with a rotary horizontal disk, of a series of cradles on said disk for the reception of the cans, means for automatically unloading said cans, means for rotating said  
15 disk a predetermined distance, and means for automatically adjusting said cans on said cradles, said cradles being adjustable in size, substantially as set forth.

2. In a device of the class described, the

combination with a rotary horizontal disk, of 20 a series of cradles on said disk for the reception of the cans, the distance between the jaws of said cradles being adjustable for the purpose of accommodating cans of various sizes, substantially as set forth. 25

3. In a device of the class described, the combination with a rotary horizontal disk, of a series of cradles on said disk for the reception of the cans, said cradles being formed of a plurality of independent cleats secured separately to the upper face of said disk, for the purpose set forth. 30

In testimony whereof I affix my signature in presence of two witnesses.

JOHN F. KIELEY.

Witnesses:

GEORGE PATTISON,

ELIZ. KINCAID.