

W. B. KING.
 SPRING ATTACHMENT FOR OIL CANS.
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962,902.

Patented June 28, 1910.

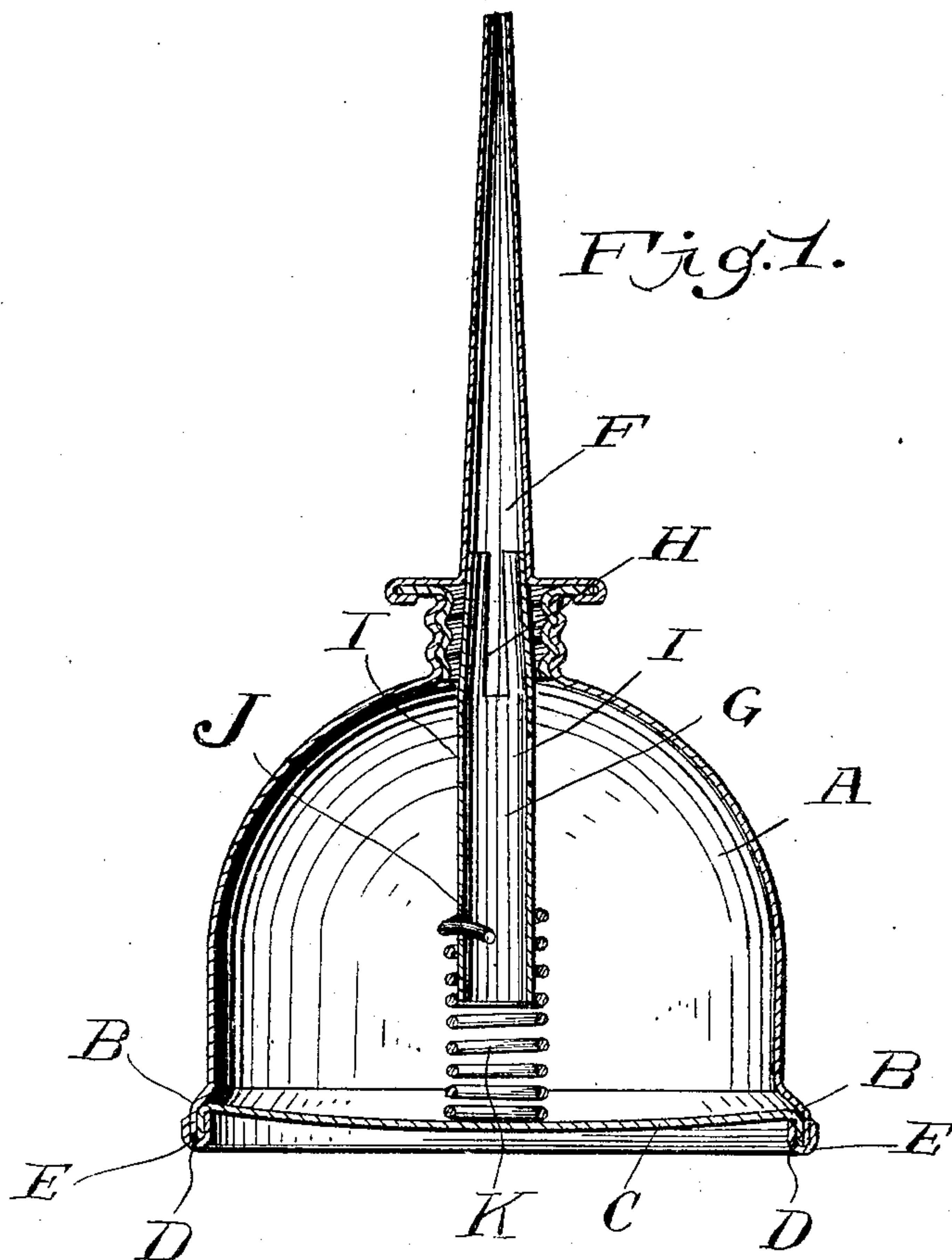
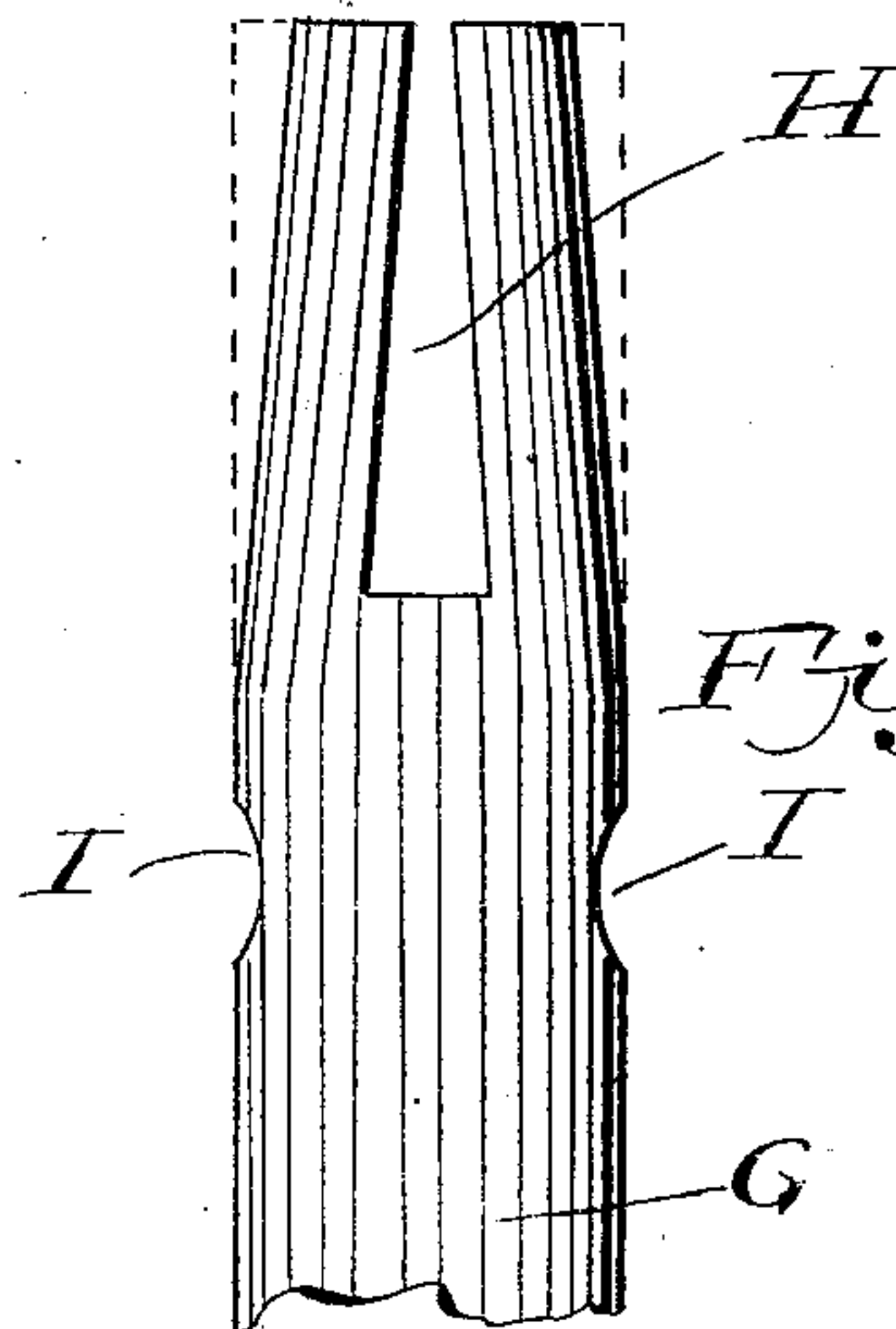
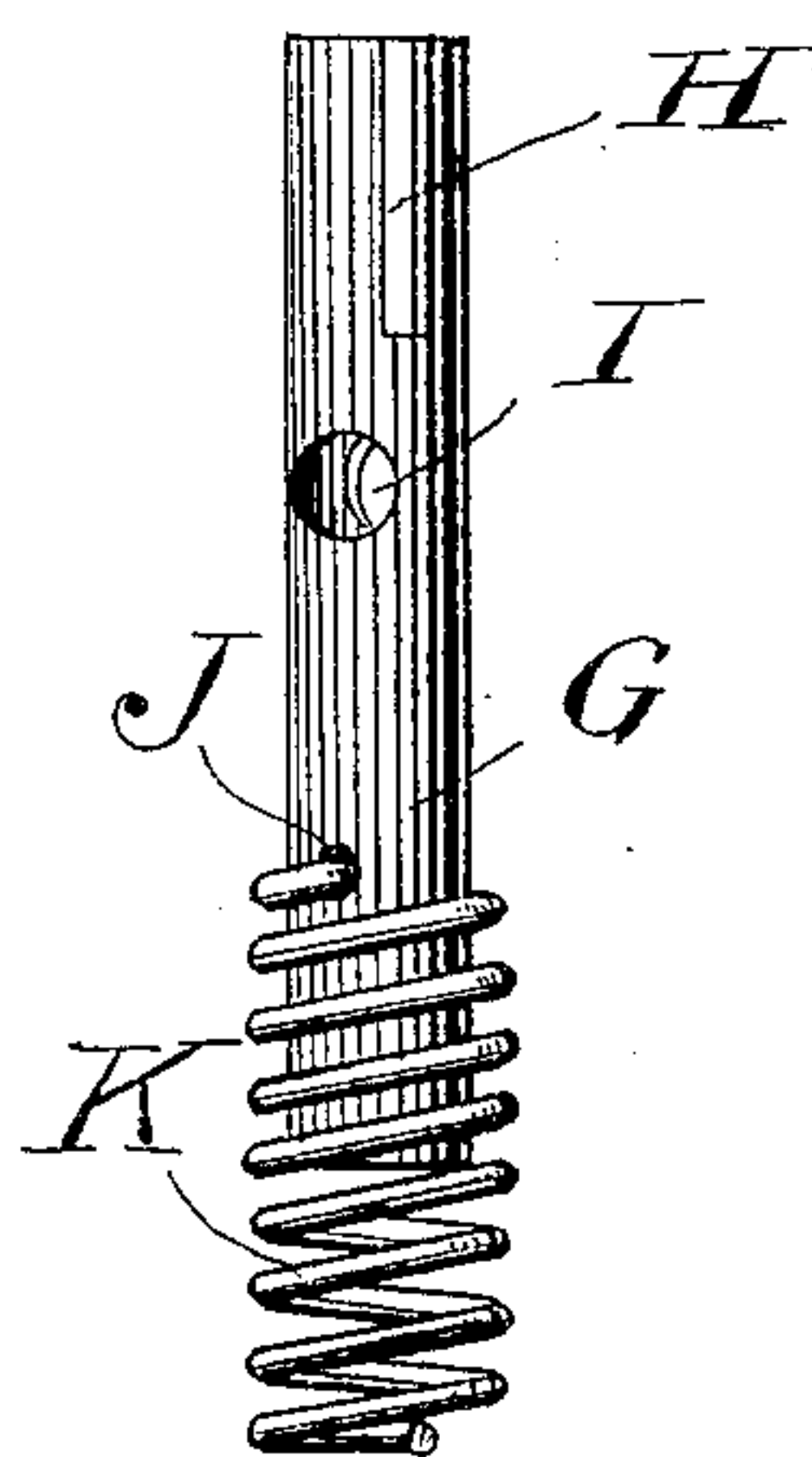


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

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SPRING ATTACHMENT FOR OIL-CANS.

962,902.

Specification of Letters Patent. Patented June 28, 1910.

Application filed November 22, 1909. Serial No. 529,430.

To all whom it may concern:

Be it known that I, WIRT BERRY KING, a citizen of the United States, residing at Fairfield, in the county of Jefferson and State of Iowa, have invented certain new and useful Improvements in Spring Attachments for Oil-Cans, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to oil cans of the compressible bottom type, and the principal object of the same is to cause the bottom to automatically return to its original position after the compressing pressure has been removed therefrom.

In carrying out the object of the invention, generally stated above, it will be understood, of course, that the essential features thereof are necessarily susceptible of changes in details and structural arrangement, one preferred and practical embodiment of which is shown in the accompanying drawings, wherein—

Figure 1 is a central vertical sectional view of a can equipped with the invention. Fig. 2 is a detail view of the attachment. Fig. 3 is an enlarged fragmentary view of the upper end of the attachment showing it depressed for insertion into the spout of the can.

Referring to the drawings by letters—A is a body of any desired shape, the lower edge having an outstanding dependent flange B. The bottom C of flexible metal has a dependent flange D and is of such diameter that it fits within the flange B. The bottom is joined to the can by a circular band E substantially U-shaped in cross section. A discharge spout F is inserted into the mouth of the can and secured therein by a threaded or other suitable connection. A vertical tube G is contained within the can, the outer portion being provided with longitudinal slots H. These slots permit the tube to be compressed for insertion into the spout F. Holes I are cut in the tube to permit the passage of oil from the can into the spout. Near the inner end of the tube there is a small hole J. A spiral spring K encircles the lower end of the tube and is secured thereto by having its end inserted into the hole J. When in place the spring exerts an upward pressure upon the tube and an outward pressure upon the bottom of the can.

In assembling the spout is removed from

the can. The end of the tube is then pinched together and thrust into the spout. The expansion of the tube causes it to tightly grip the spout. The tube is then put in the can and the spout tightly secured into place. When the can is used it is turned up and the oil flows through the holes I into the spout. The bottom is then pressed and the oil is discharged from the spout. When the pressure is removed the spring causes the bottom to rebound.

From the foregoing description it is obvious that the same attachment can be used in cans of various sizes.

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

1. A device of the character described comprising a can, a discharge spout, a vertically arranged tube carried within said can, the outer end of said tube provided with longitudinal slots permitting an adjustment to the size of said spout, an aperture in the inner end of said tube, a spring coiled around the end of said tube, one end of said spring entering said aperture, and means permitting the passage of oil from the can into the tube.

2. In a device of the character described, the combination of a can, a discharge spout, a tube carried within said can, the outer end of said tube having longitudinal slots permitting an adjustment to the size of said spout, a spring encircling the inner end of said tube and having a detachable connection thereto, and oppositely arranged apertures near the outer end of said tube, permitting the passage of oil from the can into the spout.

3. An attachment for dispensing cans comprising a tube adapted to fit within the body of said can, said tube having one end slotted to permit the same to be compressed so that it may have a binding engagement within the discharge spout of said can, the body of said tube being apertured, and a spring, one end of said spring coiled about the inner end of said tube and secured thereto, the other end adapted to yieldably contact with the bottom of said can.

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

WIRT BERRY KING.

Witnesses:

A. D. LONG,
A. B. WHITMORE.