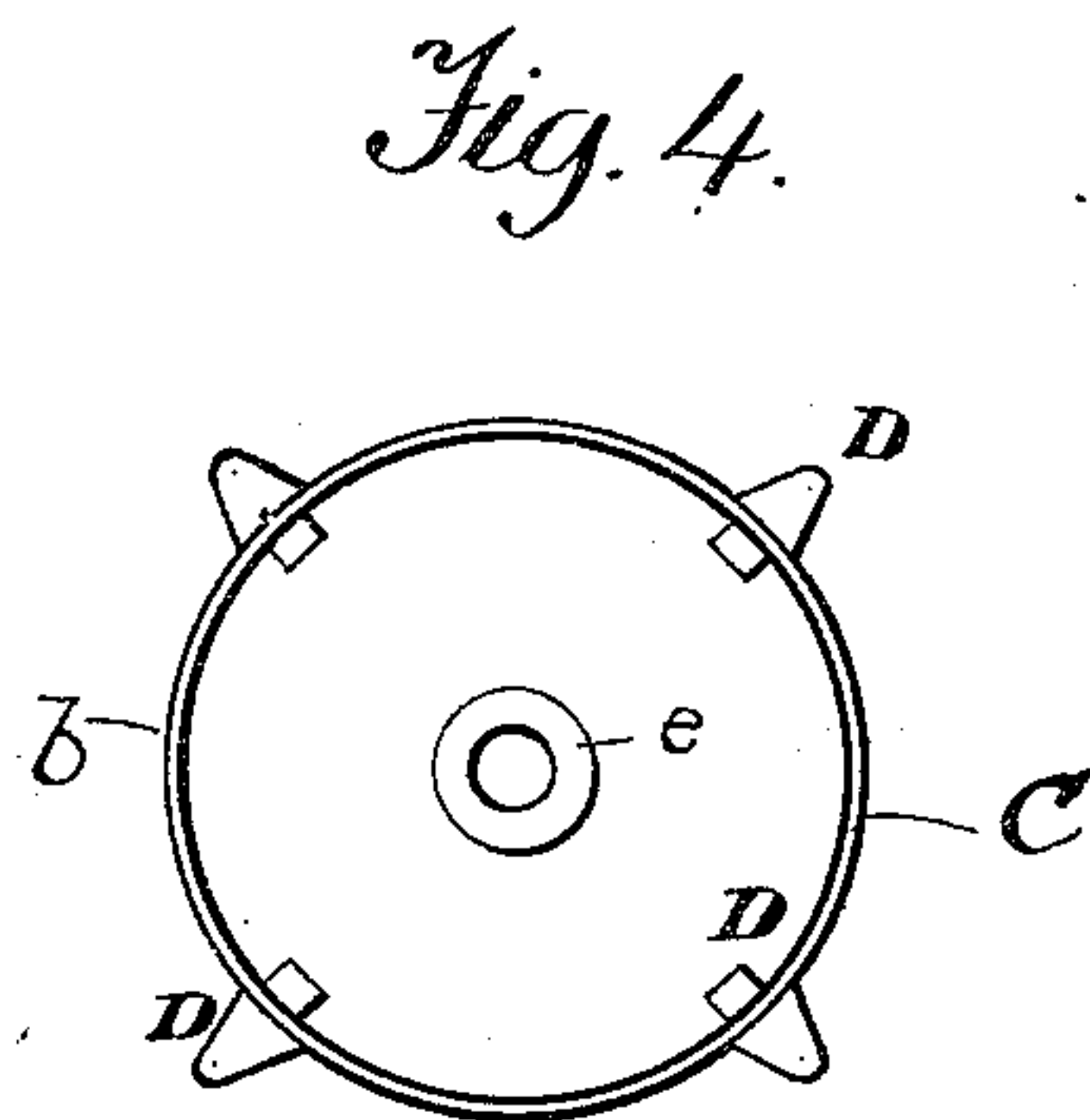
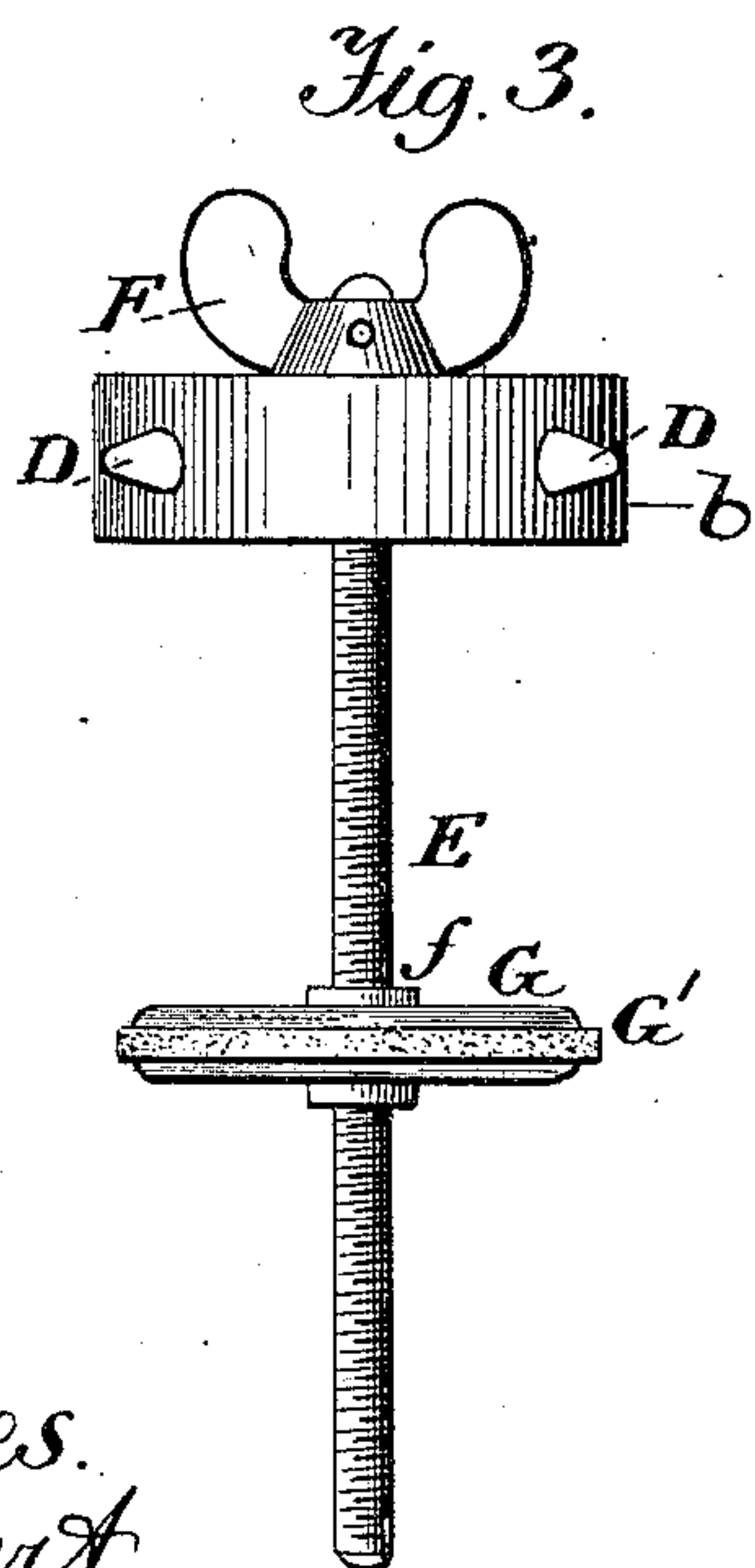
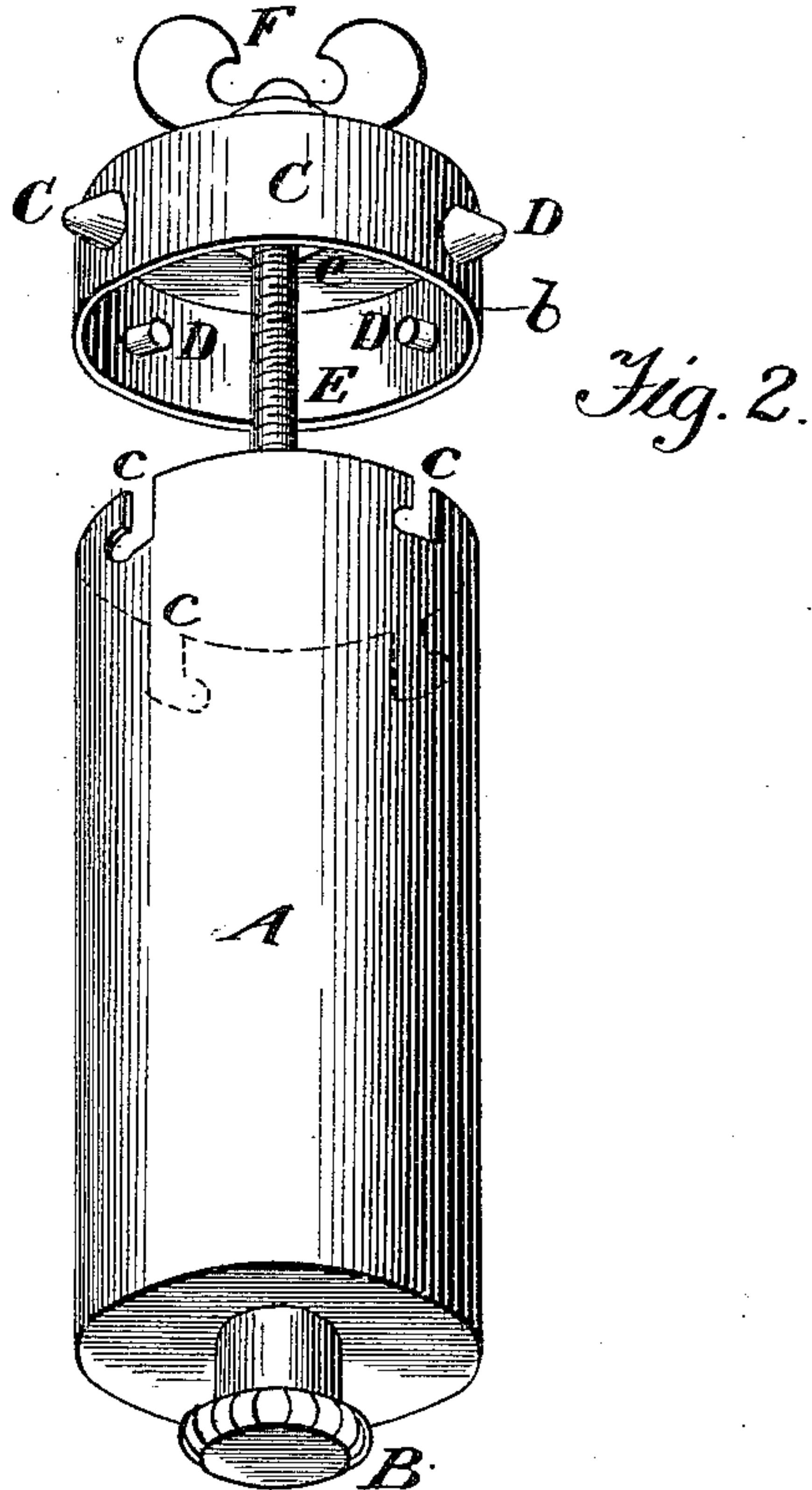
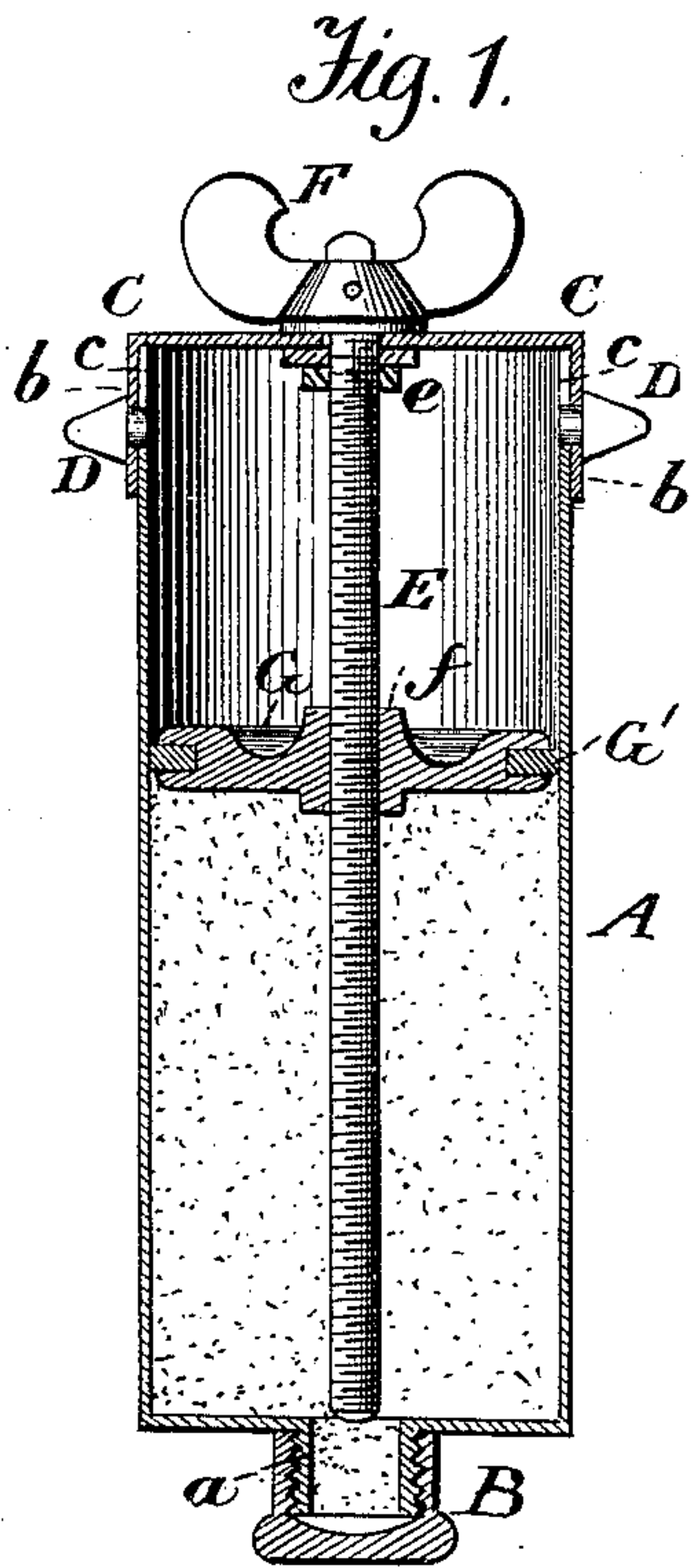


(No Model.)

H. J. KOEMPEL.
PAINT VESSEL AND PACKAGE.

No. 428,109.

Patented May 20, 1890.



Witnesses.
A. Ruppert.

W. H. L. L. L.

Inventor.

Henry J. Koempel
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his Attorney

UNITED STATES PATENT OFFICE.

HENRY J. KOEMPEL, OF ST. PAUL, MINNESOTA.

PAINT VESSEL AND PACKAGE.

SPECIFICATION forming part of Letters Patent No. 428,109, dated May 20, 1890.

Application filed February 12, 1890. Serial No. 340,148. (No model.)

To all whom it may concern:

Be it known that I, HENRY J. KOEMPEL, a citizen of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in Paint Vessels and Packages; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in paint packages or vessels of that class provided with a diaphragm or piston for forcing the paint out at one end of the vessel or package.

It has for its object, among others, to provide an improved package of this character which can be laid down in any place and prevented from rolling from its place. I also provide for the ready refilling of the vessel when desired.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically pointed out in the appended claim.

The novelty resides in the peculiar combinations and the construction, arrangement, and adaptation of parts, all as more fully hereinafter described, shown in the drawings, and then particularly pointed out in the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a longitudinal section through my improved paint-vessel. Fig. 2 is a perspective view of the same; and Fig. 3 is a side elevation of the piston, its rod and attached parts removed from the cylinder or body of the vessel. Fig. 4 is an under side view with piston removed.

Like letters of reference indicate like parts throughout the several views.

Referring now to the details of the drawings by letter, A designates the body of the

vessel or package, which is cylindrical, as shown, and is provided at one end with a neck *a*, exteriorly threaded, as shown, and adapted to receive a cap B, which is interiorly threaded to engage the threads of the neck. This is the discharge-opening of the vessel. The opposite end of the body is closed by means of a head C, which is formed with an annular flange *b*, adapted to embrace the body of the vessel at the said end, and this flange is formed with projecting rivets or screws D, adapted to engage slots *c*, which slots extend downward from the upper edge of the body of the tube for a distance, and are then turned at right angles, as shown, the two—that is, the slots and rivets—forming what is well known as the “bayonet joint,” but the screws or rivets have a function other than that of a lock, in that they prevent the vessel from rolling, extending sufficiently far from the body to allow the same to rest thereon, and thus prevent the vessel from rolling about from place to place. This feature is considered as of special importance.

E is a screw-threaded rod which is passed through a boss or projection *e* on the inner side of the head or cap C, and upon its outer end is provided with a thumb-nut F, by which it may be turned when desired. This screw is tapped through a thimble *f* on the piston or diaphragm G, which is composed of a solid disk of metal having a surrounding bard or collar of rubber G', seated within a peripheral groove in the body of the disk. This rod and diaphragm are both carried by the cap or head C, so that when the latter is removed the vessel may be readily filled, after which the head and its attached parts may be replaced.

The boss or projection *e* on the inner face of the head or cap serves as a stop for the diaphragm and prevents it from coming in contact with the head.

What I claim as new is—

As an improved article of manufacture, the herein-described paint-package, consisting of the body A, formed at one end with a neck *a*, and at the other end with a plurality of L-shaped slots *c*, open at their upper ends, the removable cap to the neck *a*, and the screw-

threaded rod carrying between its ends the
diaphragm provided with a packing-ring
around its outer edge, and the head C, fast
on the end of the rod and provided with a
5 flange having rivets D projecting from both
the inner and outer sides thereof, the outer
projections preventing the vessel from rolling,
and the inner projections arranged to engage

the slots, substantially as and for the purpose
set forth. 10

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

HENRY J. KOEMPEL.

Witnesses:

WM. LOUIS KELLY, Jr.,
J. C. GRACE.