

No. 837,556.

PATENTED DEC. 4, 1906.

R. FRYER.

ROTARY DEVICE FOR POLISHING TABLE KNIVES, FORKS, AND SPOONS.

APPLICATION FILED JAN. 10, 1905.

3 SHEETS—SHEET 1.

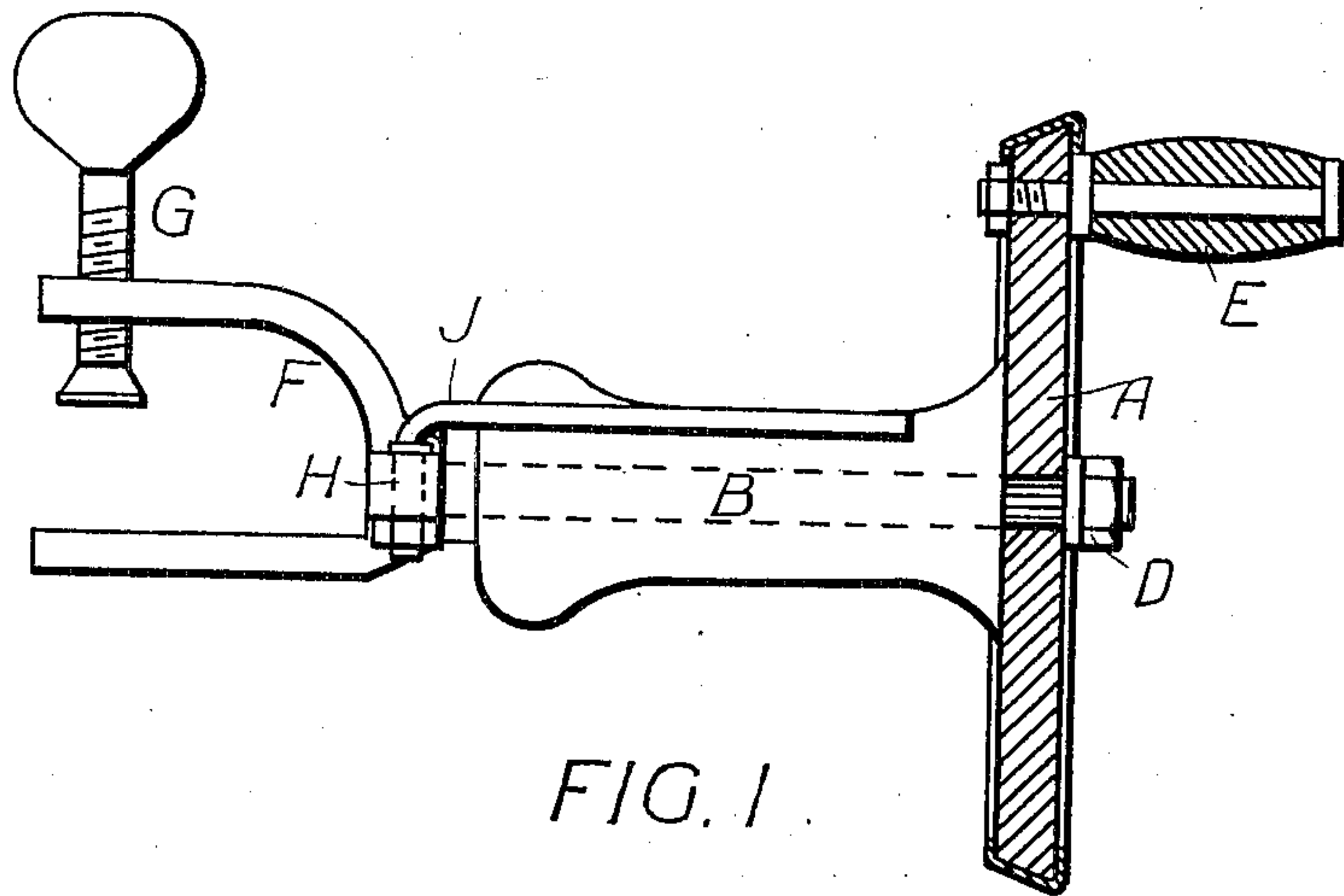


FIG. 1.

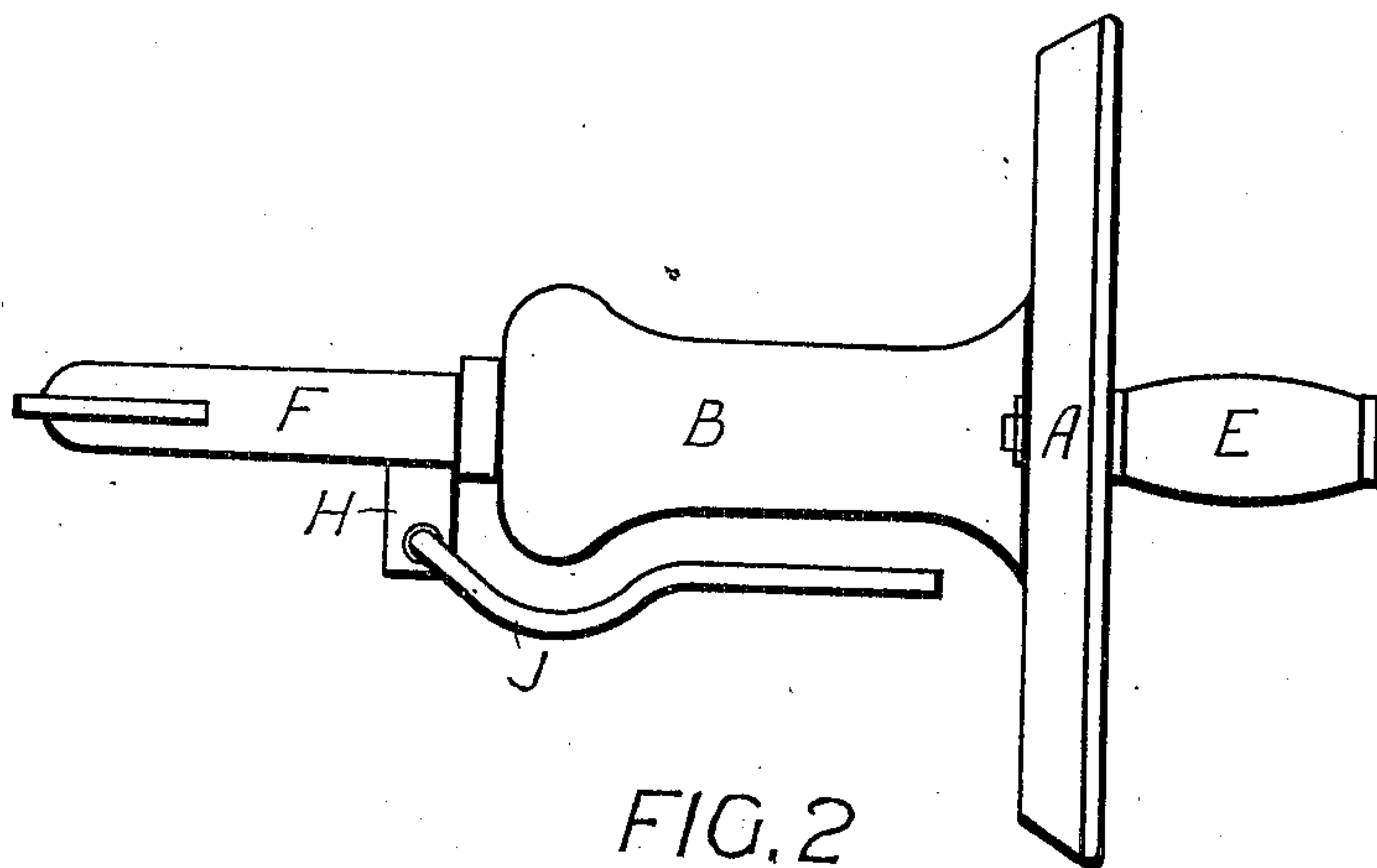


FIG. 2

Witnesses:

Flora Currie
Frank J. Kent

Inventor

Robert Fryer
By William C. Powell, Atty.
his Atty.

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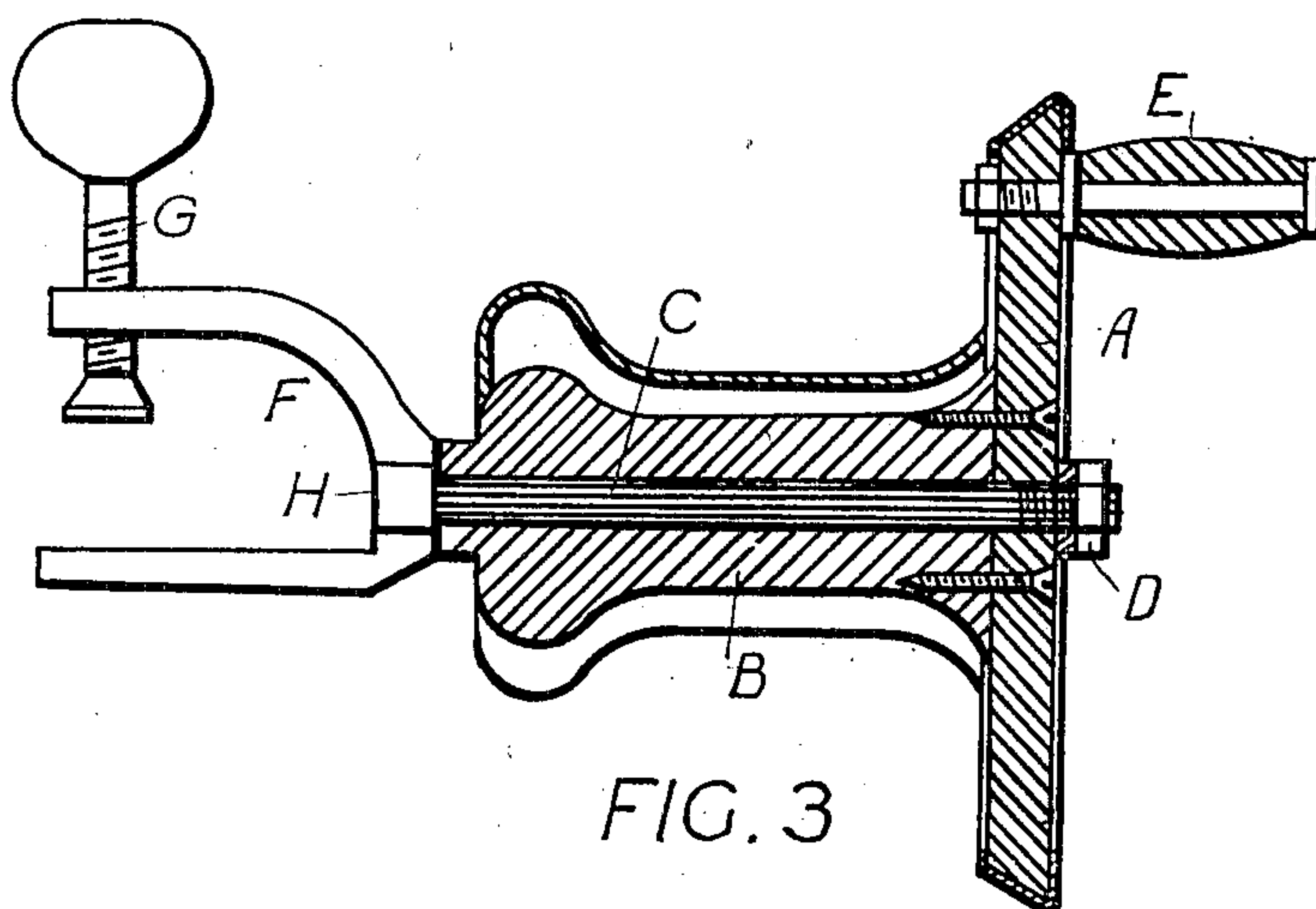


FIG. 3

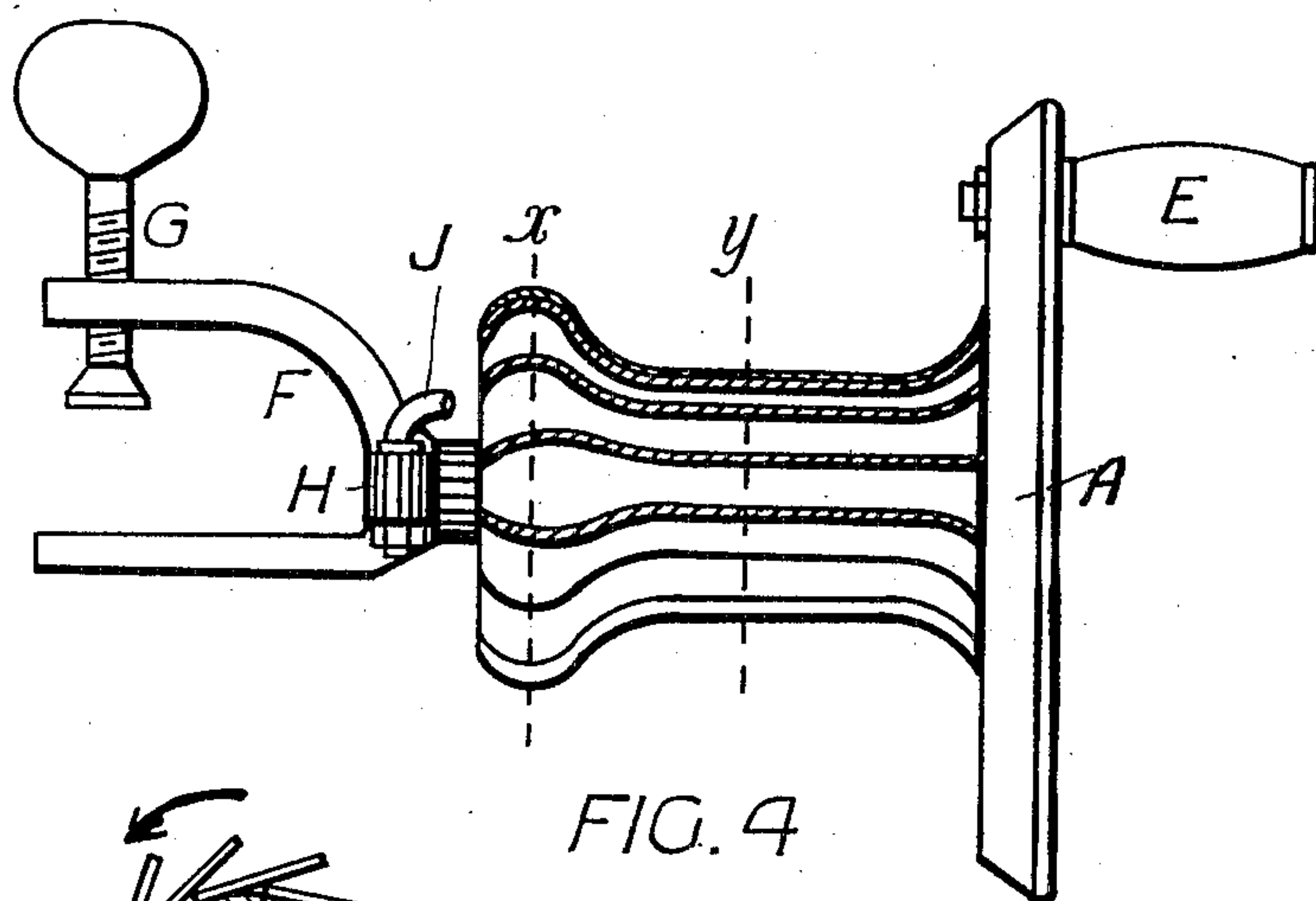


FIG. 4

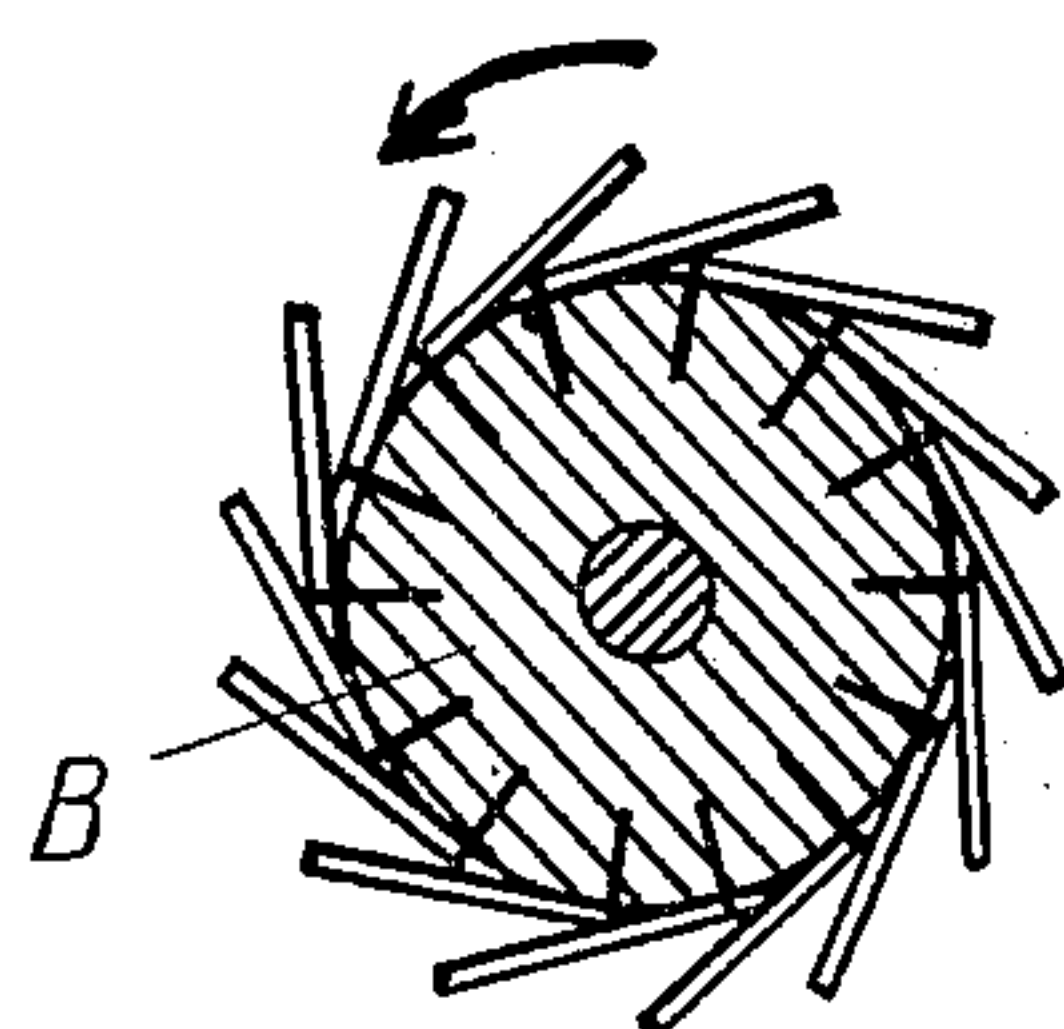


FIG. 5

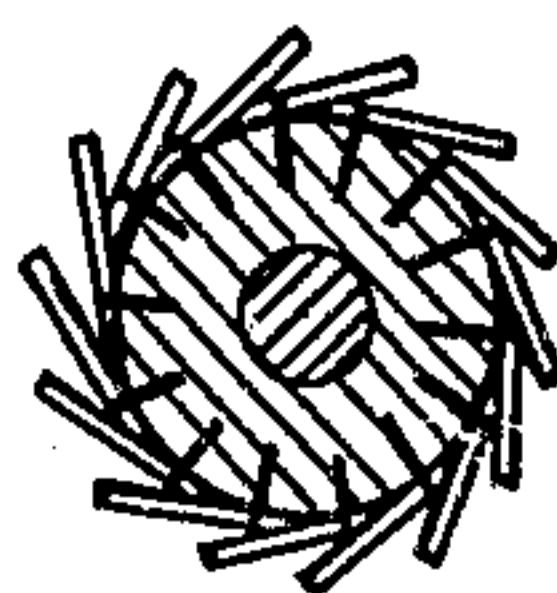


FIG. 6

Witnesses:

Flora Pierce
Frank J. Kent.

Inventor:

Inventor:
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By Allan Stewart
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3 SHEETS—SHEET 3.

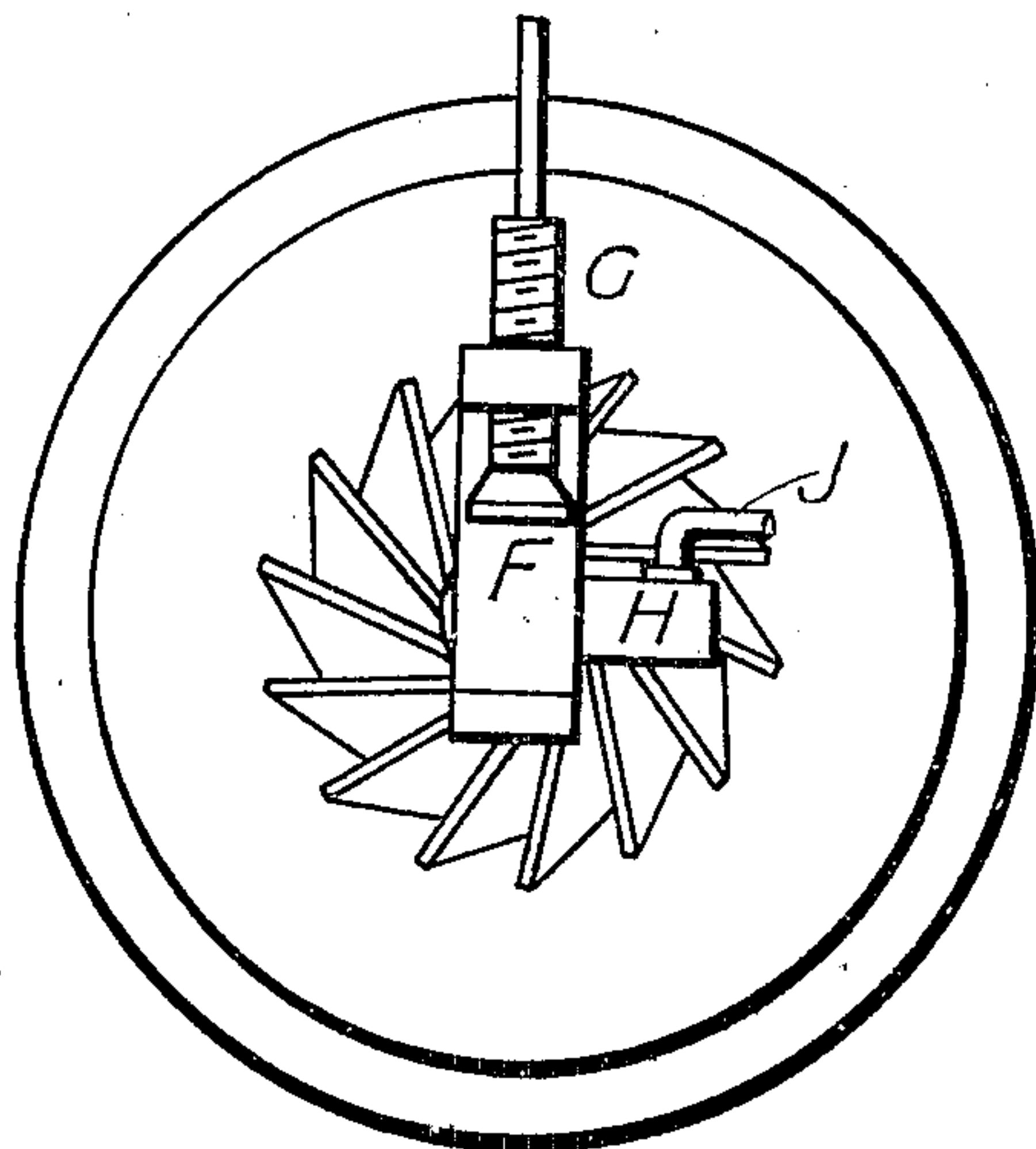


FIG. 7

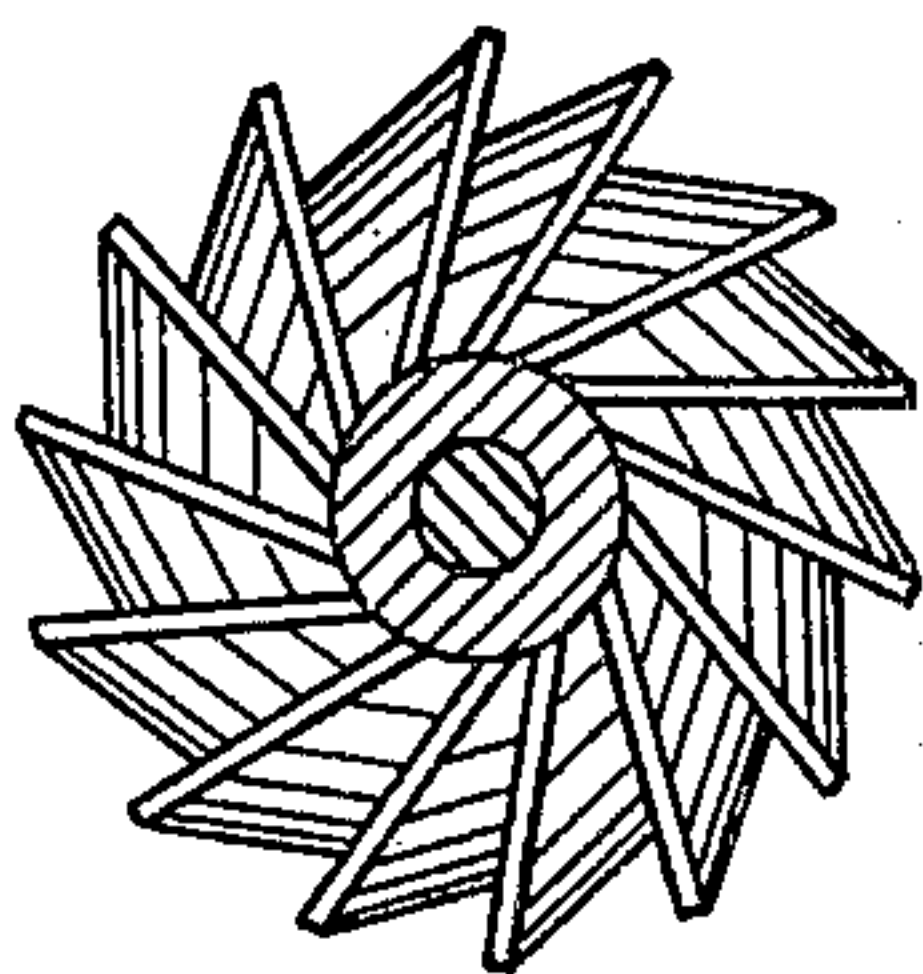
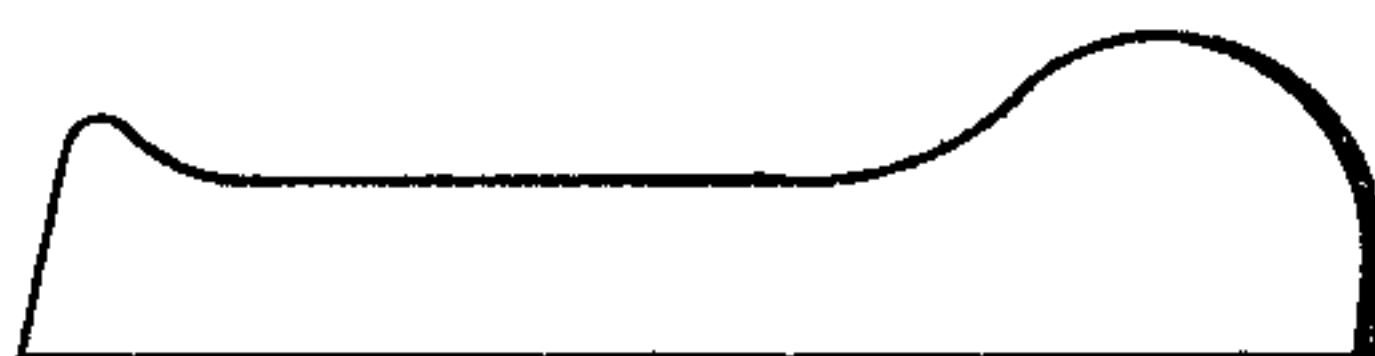


FIG. 8

FIG. 9



Witnesses:

Flora Pinner.
Paul J. Kent.

Inventor:

Robert Fryer
By William C. Powell
his Atty.

UNITED STATES PATENT OFFICE.

ROBERT FRYER, OF HAMILTON, NEWCASTLE, NEW SOUTH WALES,
AUSTRALIA.

ROTARY DEVICE FOR POLISHING TABLE KNIVES, FORKS, AND SPOONS.

No. 837,556.

Specification of Letters Patent.

Patented Dec. 4, 1906.

Application filed January 10, 1905. Serial No. 240,496.

To all whom it may concern:

Be it known that I, ROBERT FRYER, engine-driver, a subject of the King of Great Britain and Ireland, residing in Hamilton, Newcastle, in the State of New South Wales, Commonwealth of Australia, have invented an Improved Rotary Device for Polishing Table Knives, Forks, and Spoons, of which the following is a specification.

My invention relates to an improved rotary device for polishing table knives, forks, and spoons.

It consists of a leather-covered wheel and a barrel covered with lapels of leather mounted on a carrier, with holding-rest, and adapted to be secured to a table or other fixture by means of a clamp.

Referring to the annexed drawings, Figure 1 is an elevation of the device without the lapel-leather coverings on the barrel; Fig. 2, a top plan of the same; Fig. 3, longitudinal sectional elevation of the device, showing the lapels on the barrel; Fig. 4, side elevation of the same; Figs. 5 and 6, transverse sections through the barrel on the dotted lines X and Y, showing the leather lapels in section; Fig. 7, inner end view; Fig. 8, end view of the barrel only, showing the lapels; and Fig. 9, plan of one of the barrel-lapels before attachment to the barrel.

The wheel A is a disk, of wood or metal preferably about six inches in diameter, screwed or otherwise immovably fastened to the barrel B, which is filleted out near the wheel and also expanded at the inner end, as shown. The edge of the wheel is set on a batter, as shown, to facilitate the polishing of knives near the bolster. The working spindle C runs through the barrel, and the barrel and wheel are secured upon it by means of a nut or other fastening D. A handle E is provided for rotating the disk and barrel. The working spindle is screwed into or is made integral with the fork F, through which a thumb-screw G is threaded to enable the device to be screwed down to a table or other fixture. There is a lug H on one side of the fork F, and this lug supports a curved bracket J, which may be leather-covered. This bracket serves as a rest against which the instrument being polished is held by hand.

The leather lapels K on the barrel tend to

stand out, as shown in Figs. 5 and 6. The direction of rotation of the barrel is as shown by the arrow in Fig. 5. A suitable polishing-powder may be used.

In operation the knife, fork, or spoon is passed up between the rest J and the lapeled barrel, and the latter is rotated by means of the hand-wheel. A considerable amount of pressure may be put upon the instrument by levering it against the rest. Spoons and forks are polished internally by holding them against the expanded portion of the lapels and on the backs by pressing them into the fillets. The edge of the wheel may be used to rub up any particularly dull spot and to finish off knives near the bolster.

As the wheel is only of minor importance, it may be dispensed with and a lever-handle fitted to the lapeled barrel.

Instead of leather any leather substitute may be used.

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

1. A polishing-machine for the purposes set forth comprising a frame or support, a rotary barrel or cylinder mounted thereon, leather strips or lapels secured longitudinally on said barrel and having their outer edges formed to provide an annular expanded or bulbous portion adapted for polishing spoons or forks internally, and means for rotating said barrel.

2. A polishing-machine for the purposes set forth comprising a frame or support and a rotary barrel or cylinder attached thereto, said barrel having an annular expanded or bulbous portion, longitudinally-arranged leather strips or lapels secured on said barrel and conforming in external shape to the form of the barrel, said lapels being tangentially disposed and overlying one another, and means for rotating said barrel.

3. A polishing device for the purposes set forth comprising a rotary wheel having a beveled edge and leather-covered, and a barrel projecting axially from the wheel having longitudinally-arranged lapels of leather thereon, and provision for rotating said wheel and barrel, substantially as described.

4. A polishing device for the purposes set forth comprising a fork adapted to embrace a table or other support and provided with a

set-screw for clamping it thereto, a spindle projecting from said fork, a rotary barrel mounted on said spindle having longitudinally-arranged lapels of leather thereon, a
5 bracket arranged longitudinally of the barrel projecting from said fork, and means for rotating said barrel.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ROBERT FRYER.

Witnesses:

MYONIS S. CHERY,
GORDON F. SOLOMON.