

E. O. SCHARTAU.
Machines for Cutting Cork.

No. 152,422.

Patented June 23, 1874.

Fig. 1.

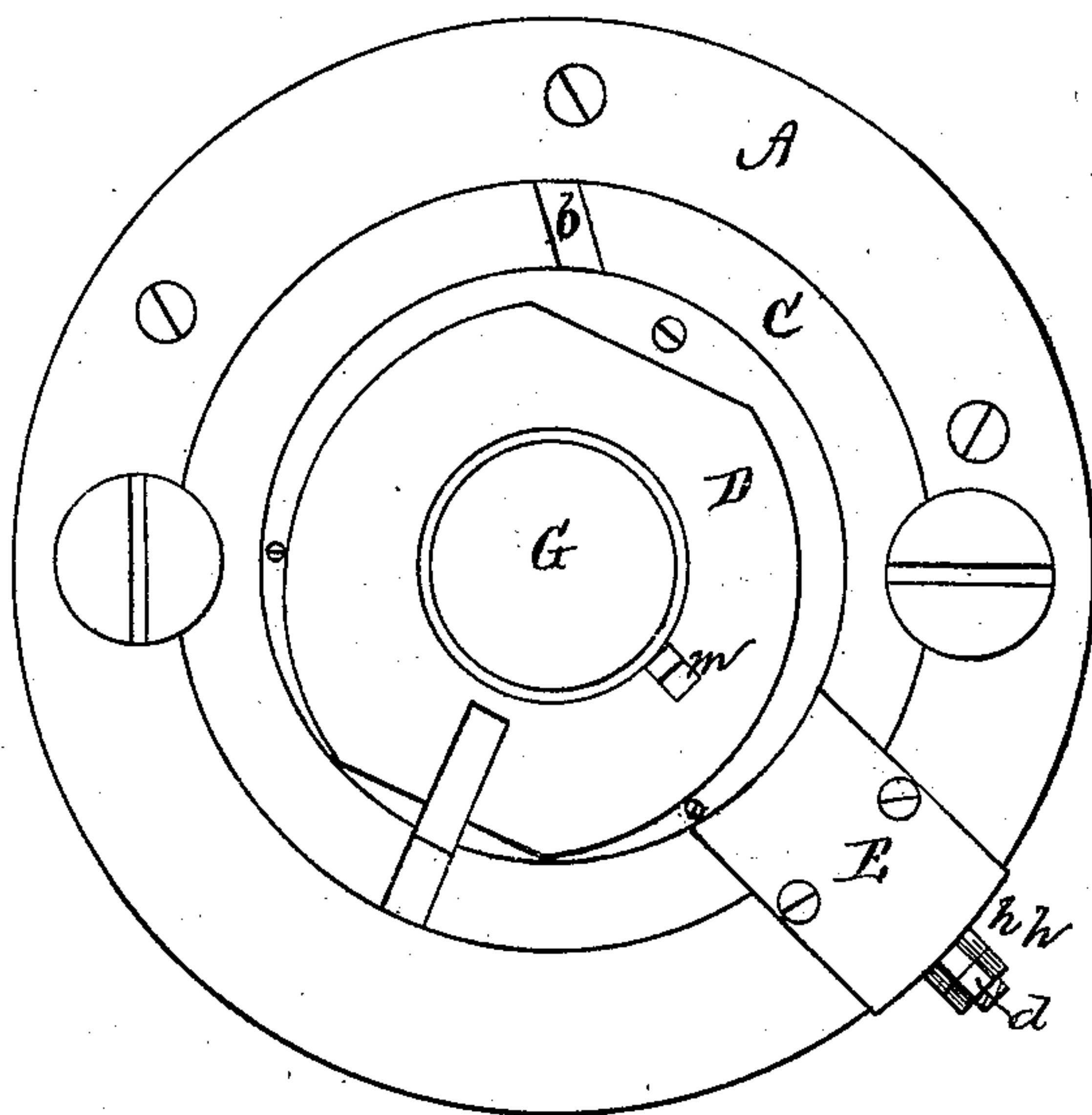
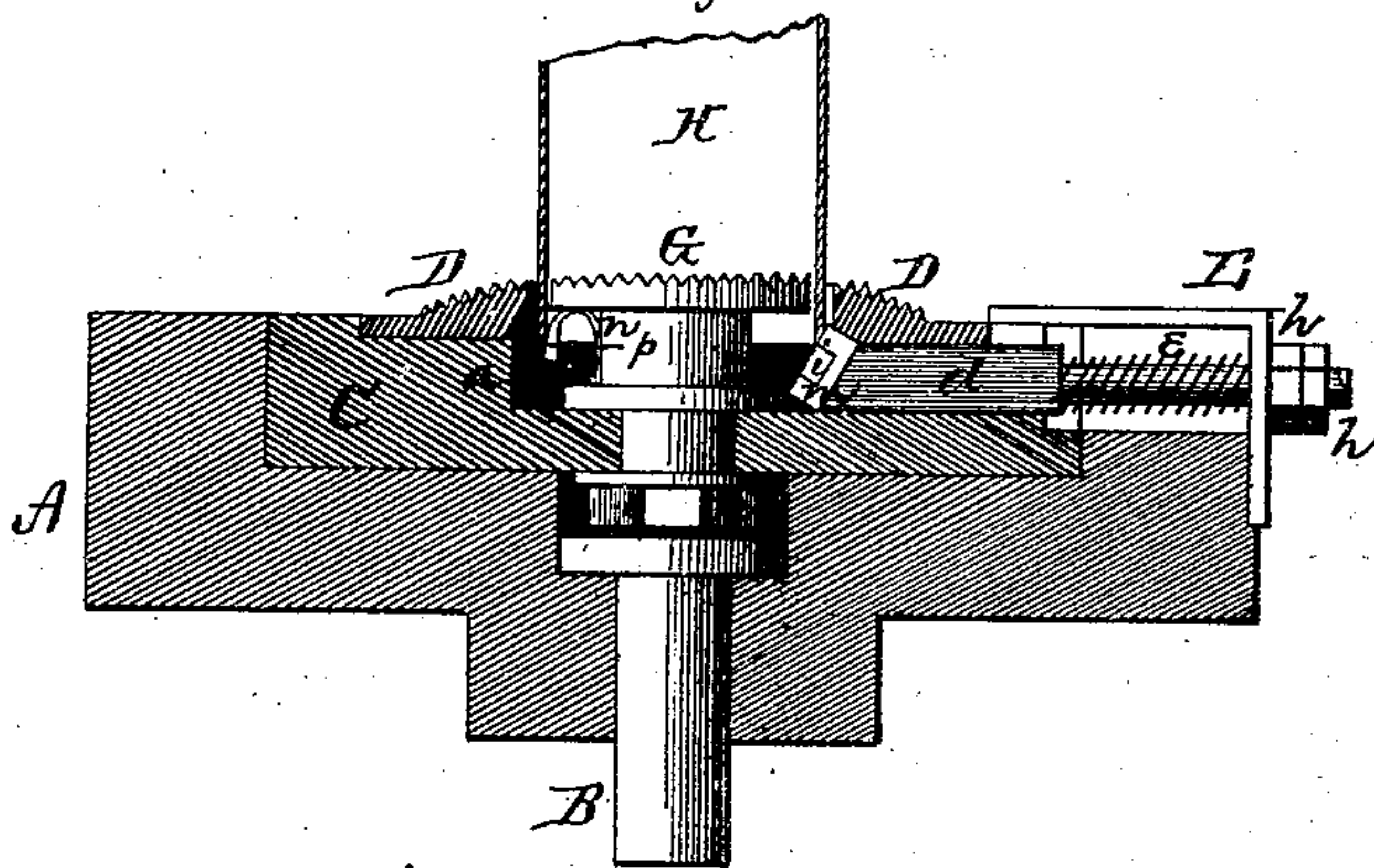


Fig. 2.



WITNESSES.
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UNITED STATES PATENT OFFICE.

EIBERT O. SCHARTAU, OF NEW ORLEANS, LOUISIANA.

IMPROVEMENT IN MACHINES FOR CUTTING CORK.

Specification forming part of Letters Patent No. **152,422**, dated June 23, 1874; application filed June 16, 1874.

To all whom it may concern:

Be it known that I, EIBERT O. SCHARTAU, of New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in Machines for Cutting Cork; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in a device for automatically sharpening cylindrical knives for cutting cork, while the cork is being cut, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe the manner in which the same may be performed, referring to the annexed drawing, in which—

Figure 1 is a plan view, and Fig. 2 a longitudinal section, of a die and die-holder for cutting corks, with a self-sharpening device attached to the same.

A represents a frame, with or without a shaft, B, resting upon a bed-plate, or moving either vertically or horizontally, according to the different construction of the cork-machines, to which it may be applied. C is a die-holder in said frame, with dust-box *a*, having a channel, *b*, for the escape of cork-dust. D is the die-plate, and G the center die, which latter may be used to impress the trade-mark on the cork. In the holder C and frame A, underneath the die-plate D, is a groove for the reception of a piston, *d*, which is forced by a spring, *e*, its outer end passing through a plate, E, attached to the frame, and its action regulated by set-nuts *h h* on its outer end. On

the inner end of the piston *d* is a frame, *m*, in which the whetstone *i* is incased. This frame may be made of wood, leather, or any other suitable material, and serves not only for holding the whetstone, but also to prevent any sudden shock of the stone on the knife, and also to wipe off any dust or dirt from the same. On the shank of the center die G is attached a spring, *n*, which causes a whetstone, *p*, to sharpen the inner edge of the knife, or a piece of leather only to clean it off, as occasion may require. H represents the end of a cylindrical knife, which, as it passes through, cutting the cork on the die in the usual manner, goes down around the center die G, and is sharpened by the whetstone *i* on the outer edge, and either sharpened or cleaned on the inner edge by the whetstone or leather carried by the spring *n*.

I claim—

1. The cylindrical knife H, in combination with the sharpeners, arranged to operate substantially as and for the purpose set forth.

2. In a cork-cutting machine, piston *d* and spring *e*, arranged to impart a yielding pressure of the whetstone or sharpener to the knife, substantially as described.

3. The combination of center die G and spring *n*, substantially for the purposes set forth.

4. Piston *d*, spring *e*, frame *m*, nuts *h h*, die G, and spring *n*, all combined and arranged with a die-plate, to form a machine for cutting cork, substantially as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

E. O. SCHARTAU.

Witnesses:

A. ABAT,

E. ST. M. LE BRETON.