

No. 607,076.

Patented July 12, 1898.

C. J. POLL.
DOUGH CUTTER.

(Application filed Nov. 5, 1897.)

(No Model.)

Fig. 2.

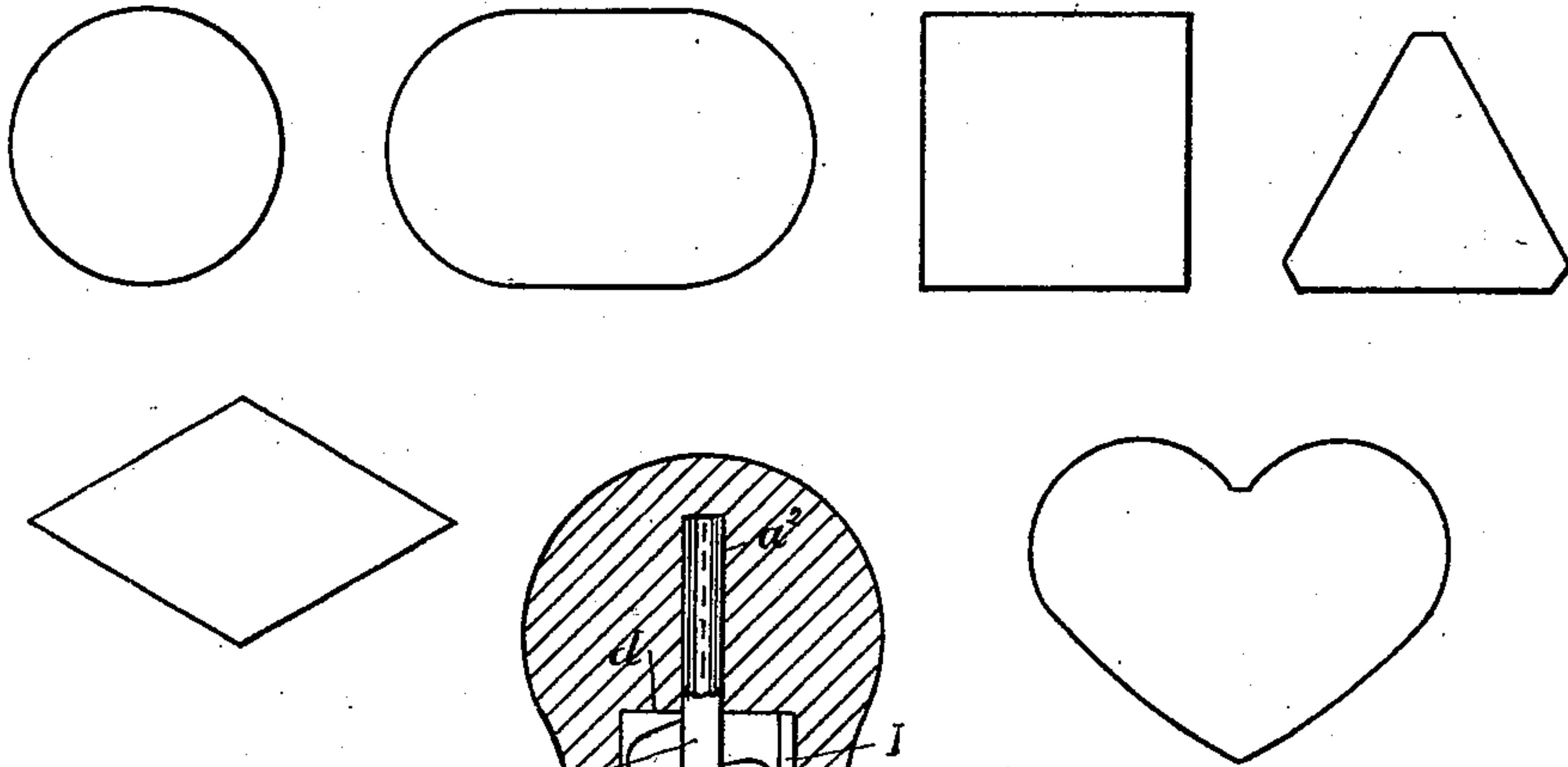


Fig. 1.

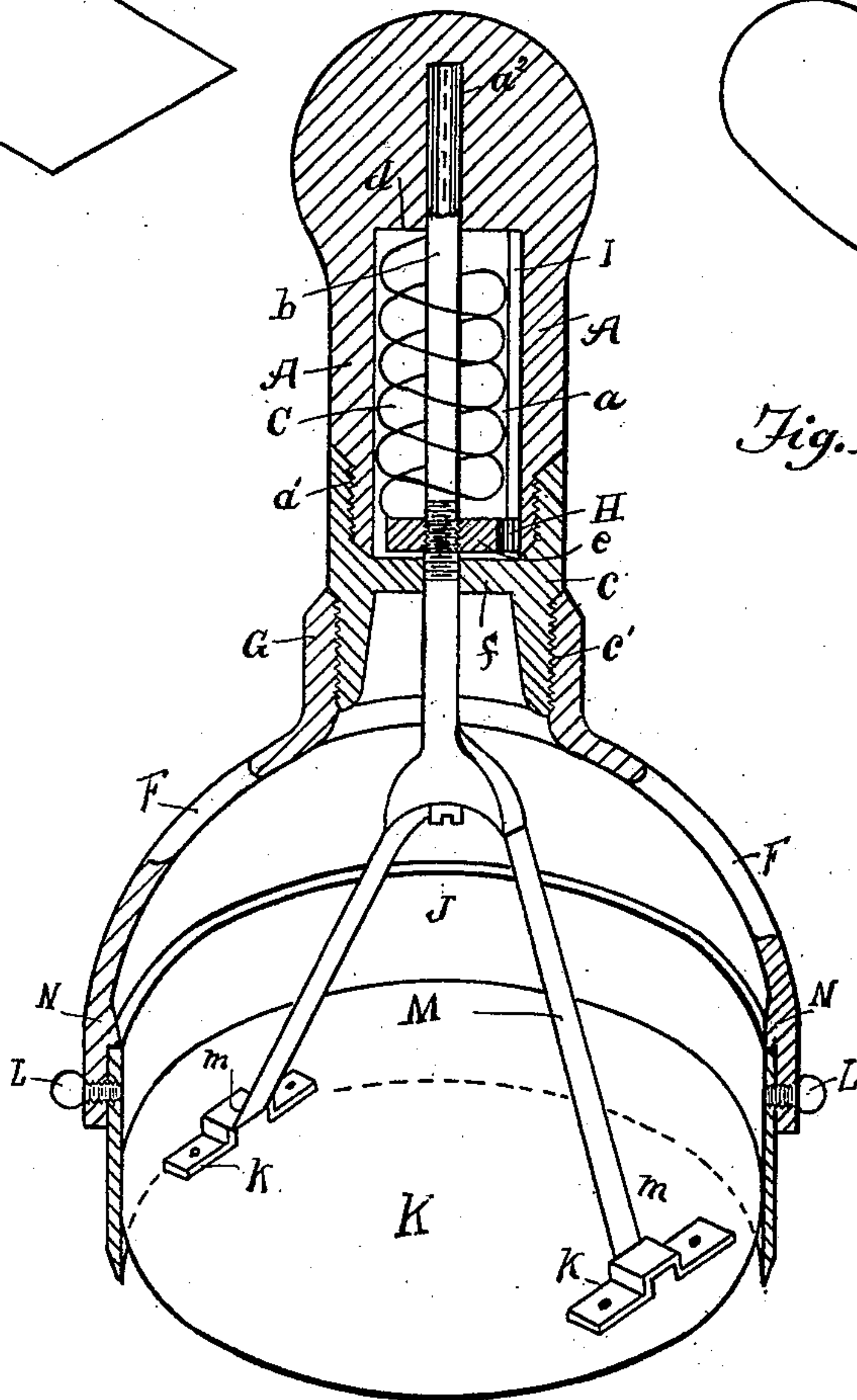
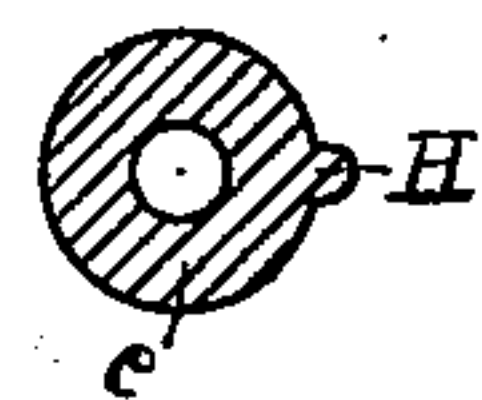


Fig. 3.



WITNESSES

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CARL J. POLL, OF GILLETT, ARKANSAS.

DOUGH-CUTTER.

SPECIFICATION forming part of Letters Patent No. 607,076, dated July 12, 1898.

Application filed November 5, 1897. Serial No. 657,523. (No model.)

To all whom it may concern:

Be it known that I, CARL J. POLL, a citizen of the United States, residing at Gillett, in the county of Arkansas and State of Arkansas, have invented certain new and useful Improvements in Dough-Cutters; 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, reference being had to the accompanying drawings, forming a part of this specification.

This invention relates to improvements in dough-cutters, and has for its object to provide new and useful means whereby a variety of forms of cakes, with or without mottoes, may be cut.

The invention consists in the construction and arrangement of the various parts to be hereinafter described and claimed.

Referring to the accompanying drawings, Figure 1 is a sectional perspective showing the relation of the parts. Fig. 2 shows in diagram some of the various forms in which the cutting-blade may be made. Fig. 3 is a plan view of the toothed nut.

Like letters of reference refer to corresponding parts.

A indicates the handle of the cutter, provided with a recess *a* to receive the stem *b* and spring C. This handle terminates upon its lower end with the threaded portion *a'* to engage with the threaded recess in the intermediate coupling *c*, which is perforated and terminates at its lower end with a threaded portion *c'* to engage in turn with the internal threaded socket at the upper end of the cutting-frame G. This cutting-frame is composed of the annular ring at the upper end and the two curved downward-projecting arms or braces F, at the lower ends of which the cutting-blade E is secured by means of the thumb-screws L. At these points of engagement the arms F are provided with shoulders N, adapted to rest upon the upper edge of the cutting-blade and to furnish bearing-points to resist the pressure in the process of operating the cutter. The screws L are arranged to pass freely through suitable openings in the arms and to engage with threaded openings in the blade, so that when it is de-

sired to remove and replace the blade by another form it is merely necessary to loosen the screws, whereupon the blade may be detached and the other one replaced in its stead. 55

K indicates a "motto-plate," as it may be termed, constructed to fit loosely within the cutting-blade E and to conform thereto in outline. Upon the upper surface of the plate the two loops *k* are arranged to receive the lower outward-turned ends of the inverted-U-shaped spring M, which is secured by means of the screw J to the lower end of the stem *b*. The spring C is made to fit between the shoulders *d*, formed at the upper end of the recess *a* in the handle and the nut *e* on the stem, which in turn normally rests upon the diaphragm *f* within the intermediate coupling *c* and through which the stem passes, where it is held by the tension of the spring C to limit the downward movement of the motto-plate. In order to prevent this nut from turning when it is desired to adjust the plate and stem vertically therein, there is provided upon one side the lug or tooth H to engage and move freely in the slot I cut in the side wall of the recess *a*, thus permitting a free action of the parts and at the same time preventing the stem and motto-plate from getting out of adjustment. The stem passes freely through the opening in the diaphragm *f*, and is guided at its upper end in the recess *a''*, constructed to fit it loosely and at the same time to permit it to pass freely therein as the spring is compressed by the action of the dough against the motto-plate. It will be apparent that any style or form of design may be employed on the said motto-plate, inasmuch as this particular feature is not new. For this reason it has been thought unnecessary to enter into detail with reference to the formation of the letters or figures, as any desirable style may be employed. 80 85 90 95

In the use of my improved cutter the operator first adjusts upon the braces or arms F by means of the screws L the desired form of cutting-blade, which, as shown in Fig. 2, may be of any shape or design. A motto-plate conforming to the cutting-blade is then inserted by pressing the two ends of the spring M inward until the ends *m* are in a position 100

to engage the loops k . The nut e may then be adjusted along the stem to give the desired position to the said plate with reference to the cutting edge of the blade, when the device is in condition for use.

From the foregoing the operation of my invention will be readily understood. Assuming that the parts are properly assembled, the cutting edge is brought down upon the dough and forced therethrough, bringing the motto-plate into forcible engagement with the upper surface thereof, and as the pressure is continued the resistance of the dough acts upon the spring C to compress it, which in turn exerts a sufficient force to reproduce upon the dough any letter or motto that may be formed therein.

It will be obvious that some slight modifications may be made in the general construction and arrangement of the various parts as I have shown and described them without materially affecting the results, and I desire to have it understood that although I have preferred to illustrate my invention in this particular form I do not desire to limit myself thereto.

Having thus described my invention, what I claim is—

In a dough-cutter, the combination of the cup G , arms or braces F and the cutting-blade E secured thereon, a recessed handle A provided with a threaded portion at its lower end, the coupling c having a diaphragm therein said coupling being adapted to unite said handle and cup, a stem adapted to be received within said handle, a U -shaped spring secured to the lower end of said stem, a motto-plate provided with loops upon its upper surface, adapted to engage with the lower ends of said U -shaped spring, an adjustable nut mounted upon said stem above the diaphragm in said coupling, and the spring within the recess in said handle arranged to engage against said adjustable nut and the top of the recess, whereby said motto-plate is adjusted, substantially as described.

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

CARL J. POLL.

Witnesses:

B. HELMERLINE,
MIKE HEMMERLEIN.