

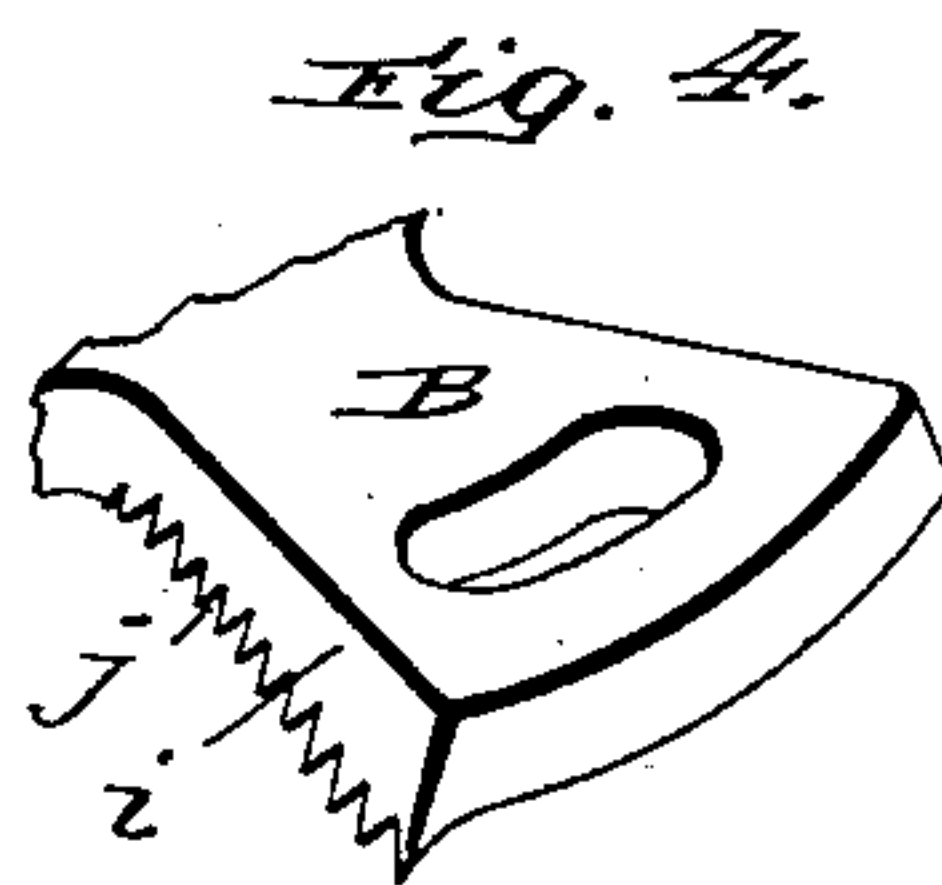
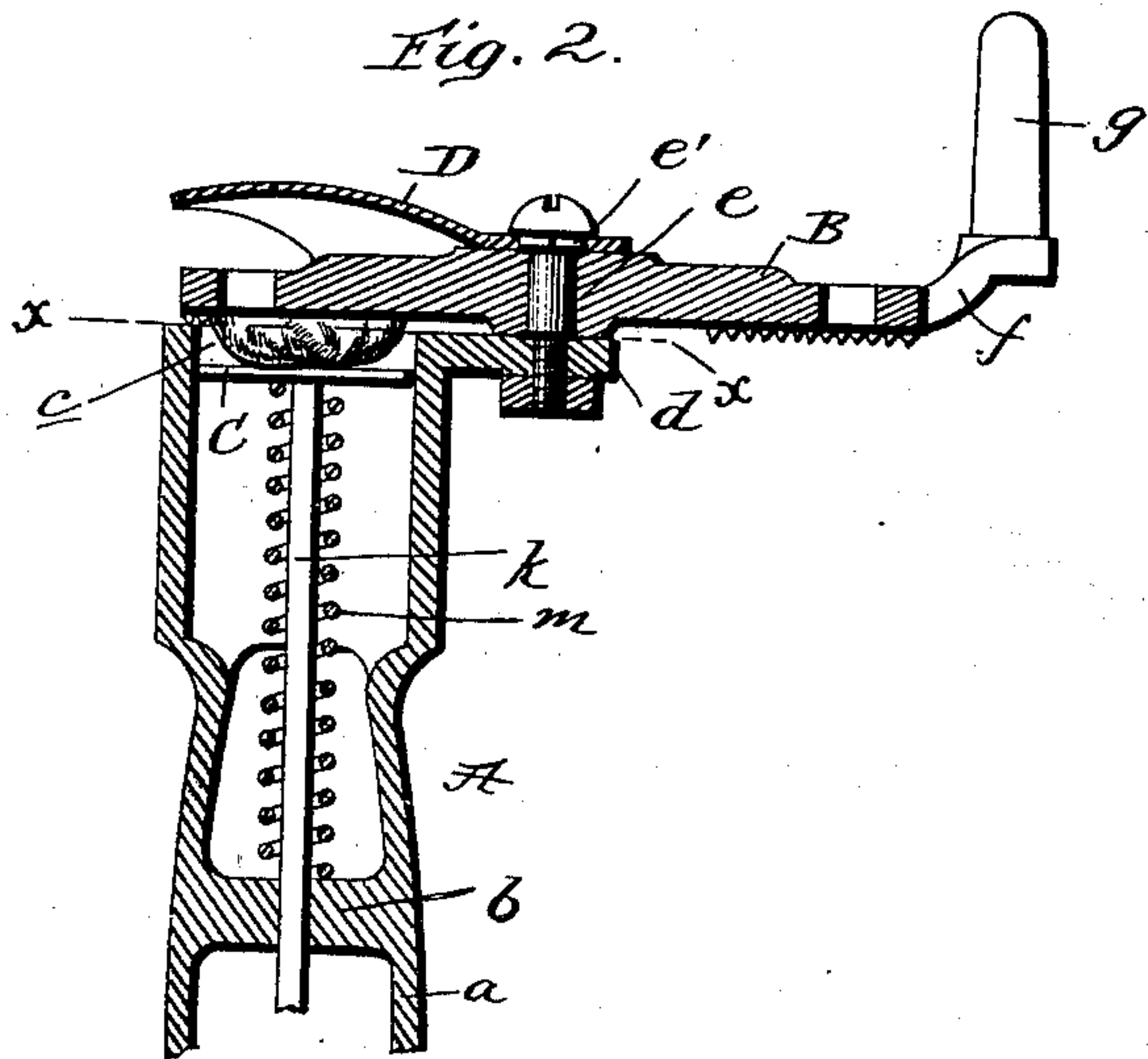
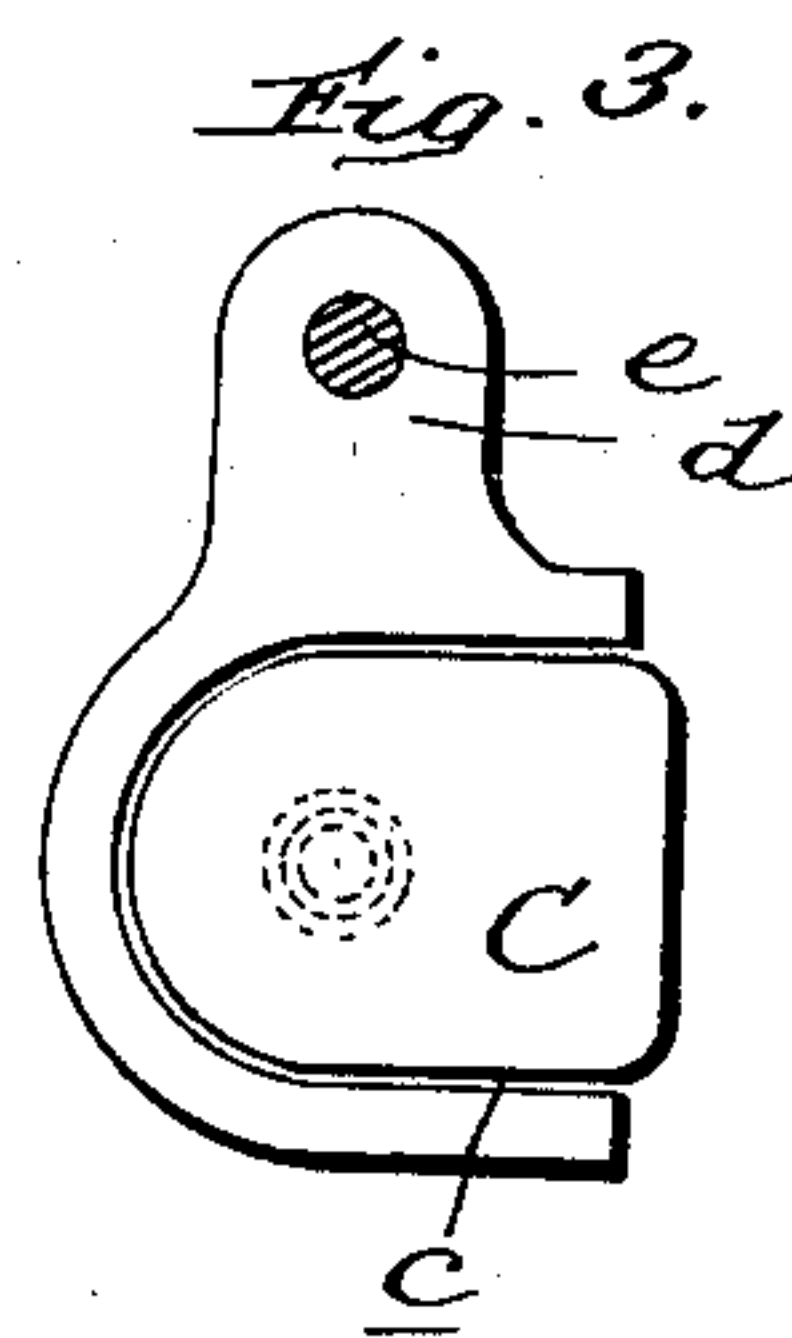
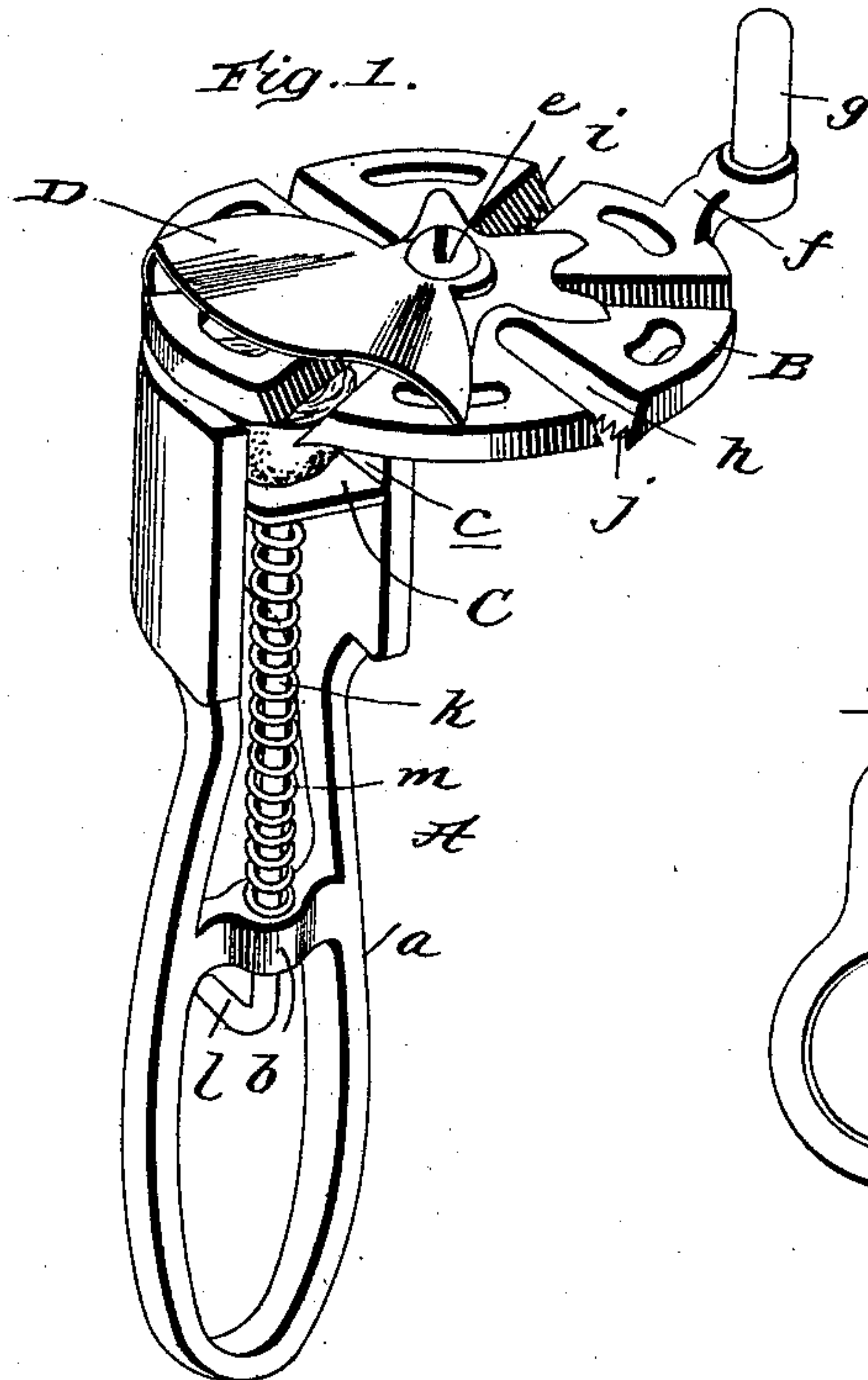
No. 630,313.

J. B. BAILY.
NUTMEG GRATER.

Patented Aug. 8, 1899.

(Application filed Apr. 1, 1898.)

(No Model.)



witnesses:

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UNITED STATES PATENT OFFICE.

JOHN B. BAILY, OF CEDAR RAPIDS, IOWA.

NUTMEG-GRATER.

SPECIFICATION forming part of Letters Patent No. 630,313, dated August 8, 1899.

Application filed April 1, 1898. Serial No. 676,117. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. BAILY, a subject of the Queen of Great Britain, residing at Cedar Rapids, in the county of Linn and State of Iowa, have invented new and useful Improvements in Nutmeg-Graters, of which the following is a specification.

My invention relates to that class of nutmeg-graters which comprise a handle adapted at one end to receive a nutmeg, a rotary grating-disk, and a spring-backed follower movable in a plane at right angles to the disk and adapted to hold a nutmeg under pressure against the inner face of the same.

It consists in certain peculiar and advantageous features of construction, and will be fully understood from the following description and claims when taken in conjunction with the annexed drawings, in which—

Figure 1 is a perspective view of a nutmeg-grater constructed in accordance with my invention. Fig. 2 is an enlarged longitudinal section of a portion of the grater. Fig. 3 is a detail section taken in the plane indicated by the line *x x* of Fig. 2, and Fig. 4 is a detail perspective view of a portion of the grating-wheel.

In the said drawings similar letters designate corresponding parts in all of the several views, referring to which—

A designates the body of my improved grater, which for the sake of cheapness is cast in one piece of brass or other suitable metal. This body comprises an open handle *a*, having an apertured cross-bar *b* at about the point shown, and a receptacle *c* for the nutmeg to be grated at the inner end of the handle, the said receptacle being of U shape in transverse section, and consequently open at one side to permit of a ready introduction of a nutmeg, and being provided at its end remote from the handle with a lateral lug *d*.

B designates the rotary grating-disk, which is mounted upon a bolt *e*, connected to the lug *d* of the body, and is arranged quite close to the end of said body and in a plane at right angles to the same, as shown. The said wheel B is also cast in one piece for the sake of cheapness, and is provided with a radial extension *f*, carrying a lateral handle *g*, through the medium of which it may be conveniently rotated. It is also provided, as best shown

in Fig. 1, with six (more or less) slots *h*, which extend from points adjacent to its center to its periphery. The rear walls of these slots *h*, with respect to the direction in which the wheel B is designed to be rotated, are beveled, as indicated by *i*, so as to afford ample clearance for the grated nutmeg. Said walls *i* also serve to form cutting edges *j*, which extend a slight distance beyond the plane of the inner face of the wheel and are serrated after the manner better illustrated in Fig. 4. The said cutting edges when acting on a nutmeg held under pressure against the inner face of the wheel B, as presently described, will obviously be very effective, and will not only quickly grate the nutmeg, but will reduce the same to a fine state, as is highly desirable.

C designates a follower which is arranged in the receptacle *c* of the body A and is provided with a stem *k*, which extends loosely through the aperture in the cross-bar *b* of the handle and terminates in an angular arm *l*, as shown. The said follower C is backed by a coiled spring *m*, which is interposed between it and the cross-bar *b* and surrounds the stem *k*, and the arm *l* at the end of the said stem is provided in order to enable the operator to conveniently move the follower against the action of the spring away from the wheel B when it is desired to introduce a nutmeg between the two. When a nutmeg is thus placed between the follower and the wheel, it will be held under considerable pressure against the inner face of the wheel. It will also be noticed that the nutmeg rests in the U-shaped recess *c* of the body A, and therefore there is absolutely no danger of its being casually displaced by the rotation of the wheel B.

In virtue of the arrangement of the cross-bar *b* of the handle at a considerable distance from the grating-wheel, as shown, a very long coiled spring may be employed. Such a spring is highly desirable, because it will insure the nutmeg being held under considerable pressure against the inner face of the wheel B when said nutmeg is reduced to a small piece, which is not true of the comparatively short springs at present in use.

For the purpose of preventing undue scattering of the grated nutmeg and the waste at-

tendant upon the same I employ a shield D, of tin or other material. This shield is mounted upon the enlarged portion *e'* of the bolt *e* at the outer side of the grater-wheel and is adapted when the grater is held in its operative position to depend from the bolt. Consequently it will be seen that the said screen will effectually prevent undue scattering of the grated nutmeg and will cause the same to fall at the place desired.

Having thus described my invention, what I claim is—

1. The herein-described nutmeg-grater of the class designed to be held in one hand and operated by the other hand comprising the body having a handle at one end and a recess *c*, of U shape in cross-section and open at one side to receive the material to be grated, at its opposite end, and also having a lateral lug *d* at the latter end, a spring-pressed follower carried by the body and movable lengthwise in the recess *c* thereof, a grating-disk disposed at right angles to the body and having a central aperture, and a connecting-bolt extending loosely through said aperture so as to form the journal of the disk and fixedly

connected to the lateral lug *d* of the body, substantially as specified.

2. The herein-described nutmeg-grater of the class designed to be held in one hand and operated by the other hand, comprising a body having a handle at one end and a recess, for the reception of material to be grated, at its opposite end, and also having a lateral lug at the latter end, a spring-pressed follower carried by the body and movable in the recess thereof, a grating-disk disposed at right angles to the body and having a central aperture, a connecting-bolt extending loosely through said aperture and fixedly connected to the lateral lug of the body, and a segmental, concavo-convex shield of sheet metal; the said shield being arranged in line with the body and fixed on the connecting-bolt, substantially as specified.

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

JOHN B. BAILY.

Witnesses:

F. FORRESTER,
U. B. SANDERS.