M. HESSELBEIN.

TIN OPENER.

APPLICATION FILED OCT. 31, 1912.

1,067,654. Patented July 15, 1913.

Fig. 1

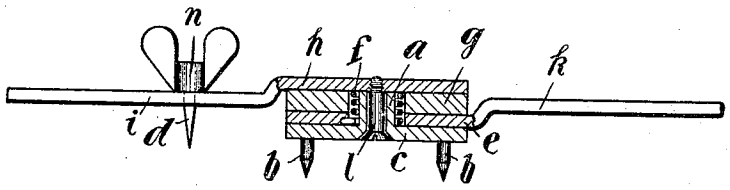
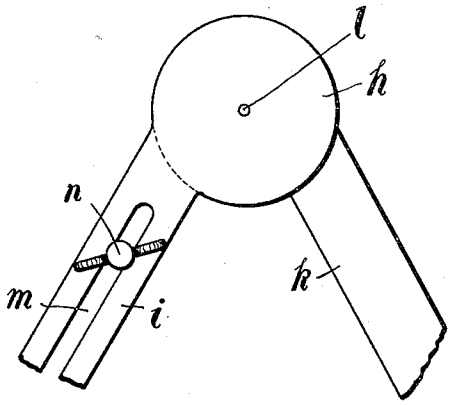


Fig. 2



Witnesses
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MAX HESSELBEIN, OF FRANKFORT-ON-THE-MAIN, GERMANY.

TIN-OPENER.

1,067,654. Specification of Letters Patent. Patented July 15, 1913.

Application filed October 31, 1912. Serial No. 728,823.

To all whom it may concern:

Be it known that I, MAX HESSELBEIN, a subject of the German Emperor, and residing at Frankfort-on-the-Main, Germany, have invented a certain new and useful Improvement in Tin-Openers, of which the following is a specification.

The present invention relates to a tin-opener and consists in the provision of two arms which are pivotally arranged on a bushing formed on a disk. The latter is fitted at one side with two pointed studs which, when the apparatus is to be used, are pressed through the tin-cover for securing the disk to the tin. To one of the arms a cutter is adjustably secured for cutting the tin-cover around the disk, an operation which is performed by turning the arms scissor-like. The other arm is connected to a coil-spring which encircles the bushing and which acts as a clutch on the latter for turning the tin relative to the cutter during the movement of the arm in one direction.

In the accompanying drawings the invention is illustrated, Figure 1 representing a sectional side view of the apparatus, and Fig. 2, a plan of the same.

A disk *c* is formed with a bushing *a* about which a coil-spring *f* is arranged. One end of the said spring is connected to a disk *e* which is loosely arranged about the bushing and fitted with an actuating arm *k*. A headed screw *l* is passed through the bushing and secured to a disk *h* against which the free end of the spring *f* abuts. The disk *h* is fitted with an actuating arm *i* along a longitudinal slot *m* in which a cutter *d* can be adjusted, such cutter being secured in adjusted position to the arm by means of a wing-nut *n*. Another disk *g* may be interposed between the disks *e* and *h* for covering up the spring *f* entirely.

The disk *c* is fitted on its underside with two pointed studs *b* which, when the apparatus is to be used, are passed through the tin-cover for securing the disk to the latter. The cutter *d*, which has been previously adjusted to its proper position, is simultaneously pressed through the tin-cover. Thereupon the opening of the tin is effected by turning the arms *i* and *k* scissor-like. While the arms are turned in the winding direction of the coil-spring *f*, the latter, which fits snugly on the bushing *a*, is contracted owing to the friction and acts as a clutch on said bushing for turning the tin relative to the cutter. When the arms are turned in the opposite direction the coil looses its grip on the bushing and allows the tin to remain stationary.

I claim:—

A tin-opener comprising a disk, two pointed studs connected to one side of said disk for securing the latter to the tin-cover, a bushing formed on the other side of said disk, two arms adapted to turn on said bushing, a coil-spring fitted snugly on the bushing and connected with one end to one of the arms so as to turn with the latter, a cutter connected to the other arm for cutting the tin-cover about the disk, the coil being adapted to cause friction and grip the bushing by contraction, when the arms are turned in the winding direction of said coil, and turn the tin relative to the cutter.

MAX HESSELBEIN.

Witnesses:
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CARL GRUND.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."