J. W. BLODGETT & B. F. FELIX.

Cheese-Cutter.

No. 218,477. **Patented Aug. 12, 1879.**

Fig. 1.

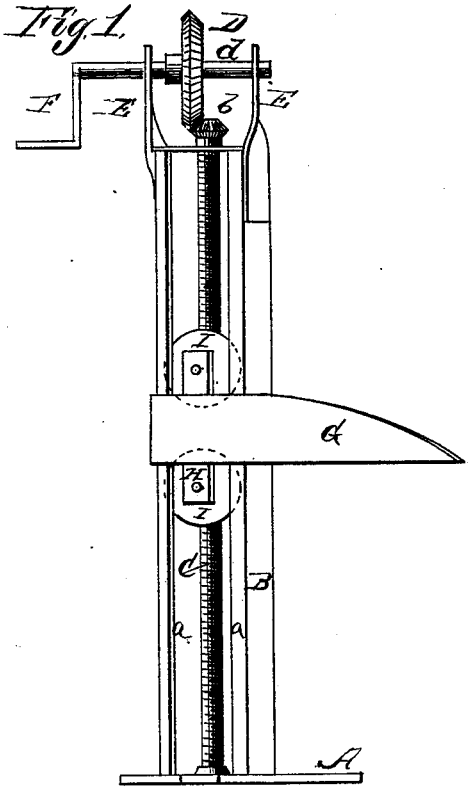
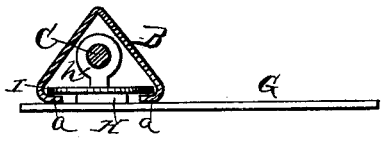


Fig. 2.



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UNITED STATES PATENT OFFICE.

JOHN W. BLODGETT AND BENJAMIN F. FELIX, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN CHEESE-CUTTERS.

Specification forming part of Letters Patent No. **218,477**, dated August 12, 1879; application filed May 31, 1879.

To all whom it may concern:

Be it known that we, JOHN W. BLODGETT and BENJ. F. FELIX, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Cheese-Cutters; and we 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 part of this specification.

The nature of our invention consists in the construction and arrangement of a mechanism for cutting cheese, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a front elevation, and Fig. 2 a cross-section.

A represents the bed-plate or base of our machine, from which rises a hollow post, B. This post may be made in the triangular form shown, or of any suitable construction, open on one side, and forming parallel guides or ways *a a*, which extend from top to bottom of the post, or for such distance as may be necessary.

In the post B is a vertical screw, C, having suitable bearings at top and bottom, and provided at its upper end above the post with a bevel-pinion, *b*. This pinion meshes with a bevel-gear wheel, D, secured upon a shaft, *d*, which has its bearings in suitable arms E E, attached to and projecting above the post. One end of the shaft *d* is provided with a crank, F, for rotating the same.

G represents the cutter or knife, which is attached to a head, H. This head is placed within the post B, and provided at each end with a wheel, I, or two smaller wheels, to fit and ride in the ways or guides *a a*. From the head H projects a nut, *h*, through which the screw C passes.

By turning the crank a rotary motion is, through the gears D *b*, imparted to the screw C, and the knife G is thereby moved up or down, according to which direction the crank is being turned.

It is evident that the arrangement of the head H with relation to the post and screw may be changed in various ways without in the least departing from the spirit of our invention. For example, the head may be on the outside of the post in suitable guides, or without any guides at all, and the nut pass through a vertical slot in the post. The nut, just fitting said slot, would guide the head and knife properly.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a cheese-cutter, a vertical screw operated by gears, in combination with the knife or cutter attached to a head having a projecting nut through which the screw passes, substantially as set forth.

2. The combination of the hollow post B with guides or ways *a a*, the head H, and rollers I, for the purposes described.

3. The combination of the hollow post B, screw C, gears *b* D, and shaft *d* with crank F, knife G, head H, and nut *h*, all constructed and arranged to operate substantially as and for the purposes herein set forth.

In testimony that we claim the foregoing as our own we affix our signatures in presence of two witnesses.

JOHN W. BLODGETT.
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Witnesses:
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