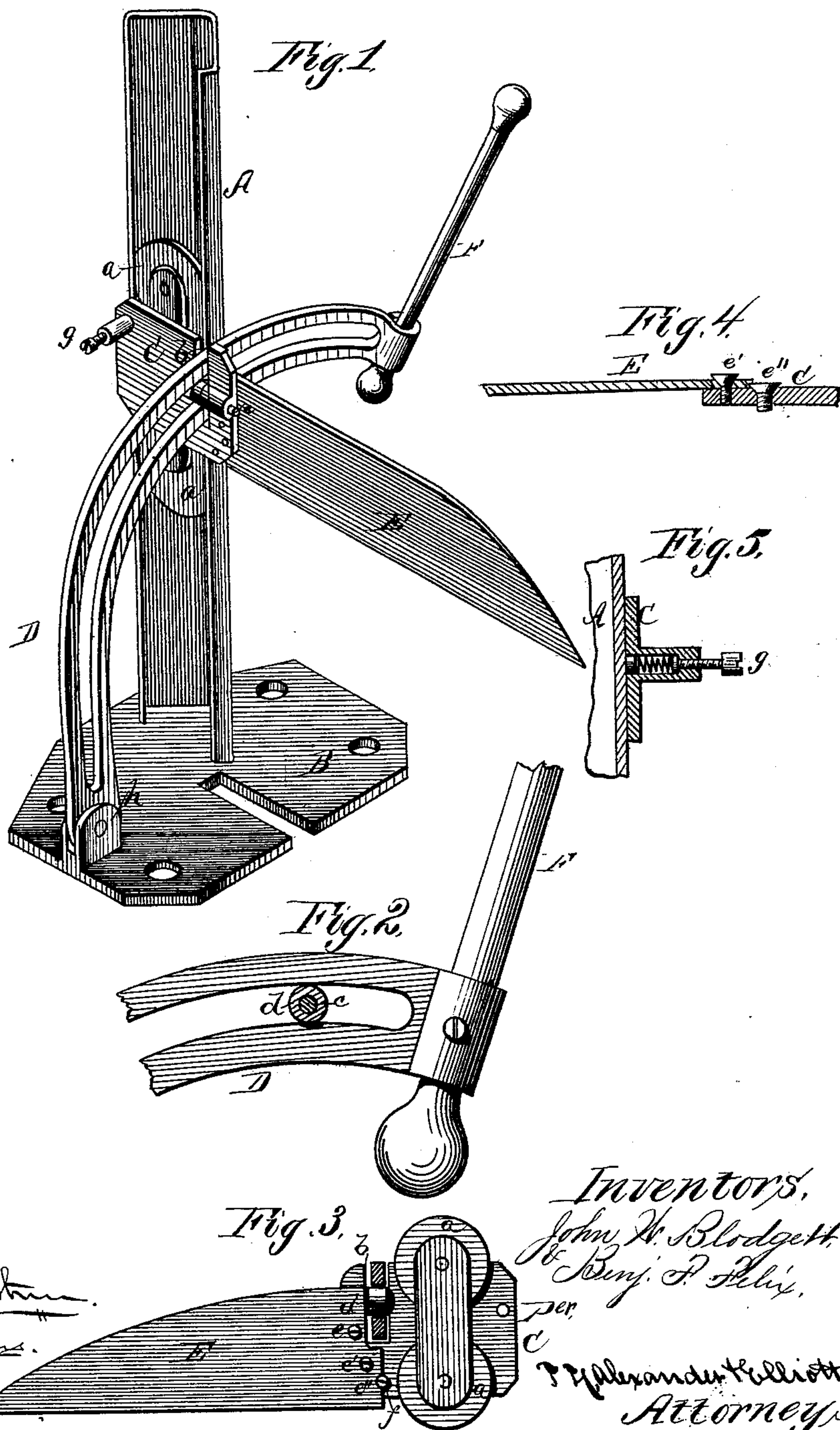


J. W. BLODGETT & B. F. FELIX.
Cheese-Cutter.

No. 218.478.

Patented Aug. 12, 1879.



Witnesses:
W. C. McArthur.
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per
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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. 218,478, dated August 12, 1879; application filed May 5, 1879.

To all whom it may concern:

Be it known that we, JOHN W. BLODGETT and BENJAMIN 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, in which—

Figure 1 is a perspective view of our invention, and Figs. 2, 3, 4, and 5 are detail views of parts thereof.

The object of our invention is to facilitate and render more easy the cutting of cheese; and its novelty consists in the employment of a suitably-constructed and arranged knife actuated by means of a curved lever, as will be hereinafter more fully set forth.

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.

A represents an upright post securely attached to base B. This post may be of wood or metal; but in either event it must be formed or provided with a suitable groove upon each side of its face, said grooves to face each other, thus admitting of the rollers *a a*, which are attached to the slide C, revolving freely and easily between them. The slide C is provided with the vertical slot *b*, and across this slot, and journaled upon both sides of it, is the pin *c*, upon which is the small roller *d*.

E represents the knife, secured to slide C by means of the screws *e e'*.

The hole for the reception of screw *e'* in the knife should be a little larger circumferentially than the screw itself, the object of which will be presently apparent. The heel of the knife E should be cut out to form a small half-circular notch, as shown at *f*, Fig. 3, which rests against and partly encircles the screw *e''* in the lower part of the slide.

It will now be observed that by the arrangement just described we obtain a slight adjustment of the knife. The beveled heads or necks of the screws *e' e''* may either entirely fill the hole and notch or allow play, as may be desired; for instance, if the outer end of the knife is to be raised, screw *e'* is loosened while screw *e''* is tightened.

g represents a set or thumb screw on the

face of slide C, behind which may be placed a spring for the purpose of pressing with variable tension against the post. This device is simply designed to impart the necessary friction between the slide and post, when it is found that the knife falls too quickly and easily. We do not, however, regard the adjustment of the knife or the employment of the friction device absolutely essential, and therefore they do not enter into the essence of our invention. They are merely minor details, which may or may not be employed.

D represents the lever by which the knife is operated, and, as seen, is made in the arc or segment of a circle, and provided with a slot of a like character, though it is obvious that a lever without the slot may be employed if desirable. The lower end of this lever is pivoted between the ears *h h* on the base B, and its upper end is bent in a ring to receive the handle F. The pin *c* extends through the slot of the lever D, as seen in Fig. 1, and thus slide and knife are actuated.

It will be found convenient to secure our machine in the cheese-safe, as then the cheese may be cut without waste.

It is obvious that the details or the exact construction of our invention as herein described may be modified without departing from its scope. For instance, we do not confine ourselves to any particular method of adapting the slide to work in connection with the post, or any peculiar manner of attaching the knife to the slide; but

What we do claim, and desire to secure by Letters Patent, is—

1. In a machine for cutting cheese, the combination of curved lever D, knife E, sliding block C, and post A, all constructed and arranged to operate substantially in the manner herein described.

2. In a cheese-knife, the combination of slide C, furnished with screw *e''*, knife E, and screws *e e'*, substantially as and for the purpose described.

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

JOHN WESLEY BLODGETT.
BENJAMIN F. FELIX.

Witnesses:

GEO. P. BLAIR,
GEO. SEIMANTEL.