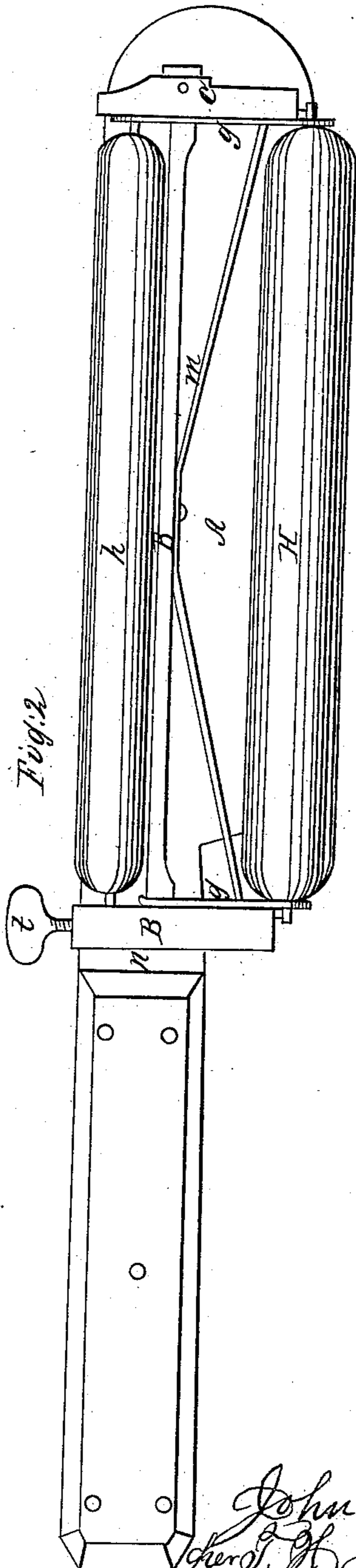
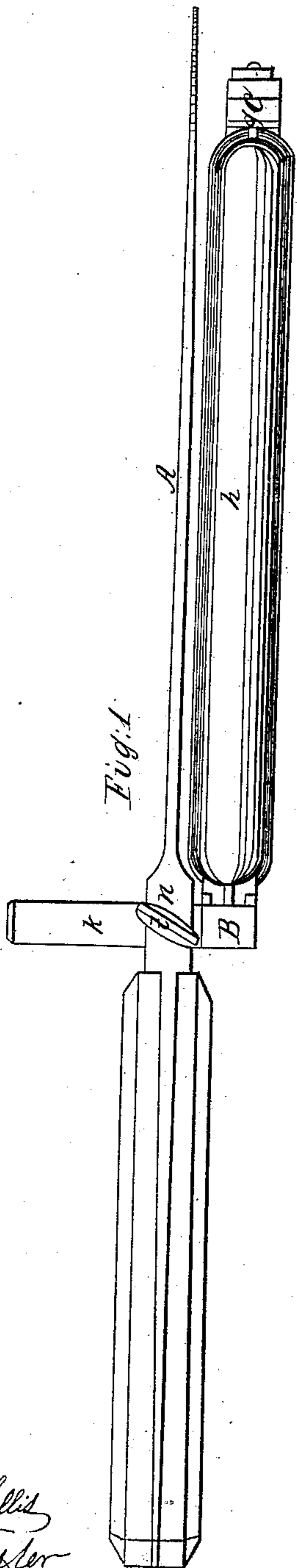


J. Frisch

Bread Cutter

N^o 78,586.

Patented June 2, 1868.



Witnesses
John Alfred Elliot
J. O. Miller

Inventor
John Frisch
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Atty

United States Patent Office.

JOHN FRISCH, OF ALBANY, NEW YORK.

Letters Patent No. 78,586, dated June 2, 1868.

IMPROVED BREAD-KNIFE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN FRISCH, of Albany, in the county of Albany, and State of New York, have invented certain new and useful Improvements in Bread-Knives; and I 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 a part of this specification, in which—

Figure 1 represents a plan view of my bread-knife, and

Figure 2 a side elevation of the same.

The nature of this invention consists in providing a knife with an adjustable gauge, constructed substantially as and for the purpose hereinafter set forth.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

A designates a knife-blade, which is to be adapted in width to the purpose for which it is intended. B and C represent two vertical bars, with grooves cut on their inner sides. The bars B and C are held together by means of the horizontal metal tie E. On the inner surface of each of the bars B and C is a slotted slide, *g*, which is allowed to play vertically between the face of said bars and shoulders formed at each end of tie E. *h* represents a roller, placed directly above the tie E, and pivoted in the bars B and C, the pivots at the outer ends of said roller being made to pass through the slides *g g*, so that the slides, in their descent, will not escape from the pivots. In order to keep the slides *g g* in position, they are furnished or cast with projections near their lower ends. Said projections slide up and down in the grooves cut in the bars B and C. H represents another roller, pivoted in the lower ends of the slides *g g*, and situated immediately beneath the slots or grooves in said slides. *m* designates a curved spring, the upper or convex side of which is secured, at its centre, to the tie E. The ends of said spring rest, at the bottom of the grooves, in the slides *g g*. *n* represents the shoulder of the knife between the blade and handle, and is made of sufficient thickness to have a mortise through it, to receive the arm *k*, said arm being placed at right angles with the bar B, and cast solid with said bar. The arm *k* is made adjustable, and secured in position by means of a thumb-screw, *t*.

In operating my bread-cutter, the rollers will be adjusted to suit the thickness of the slices required, by moving the arm *k* to the proper distance from the knife-blade, and securing it by the thumb-screw *t*. Then cut the loaf downwards, and the rollers will answer as a gauge to insure uniform thickness in the slices, and also assist in expelling the slice from between the knife and gauge. When the knife has passed through the loaf, the spring *m*, pressing on the lower roller, will cause said roller to act as a shield to prevent the knife from damaging the table on which the bread is placed:

What I claim as new, and desire to secure by Letters Patent, is—

1. The employment of roller H, when arranged to regulate the thickness of the slice, and also to yield to the pressure of the knife, substantially as and for the purposes described.
2. In combination with the above, I claim spring *m*, bars B C, slides *g g*, and roller *h*, all arranged substantially in the manner and for the purpose set forth.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

JOHN FRISCH.

Witnesses:

MATHIAS THOLL,
THOMAS SILSBY.