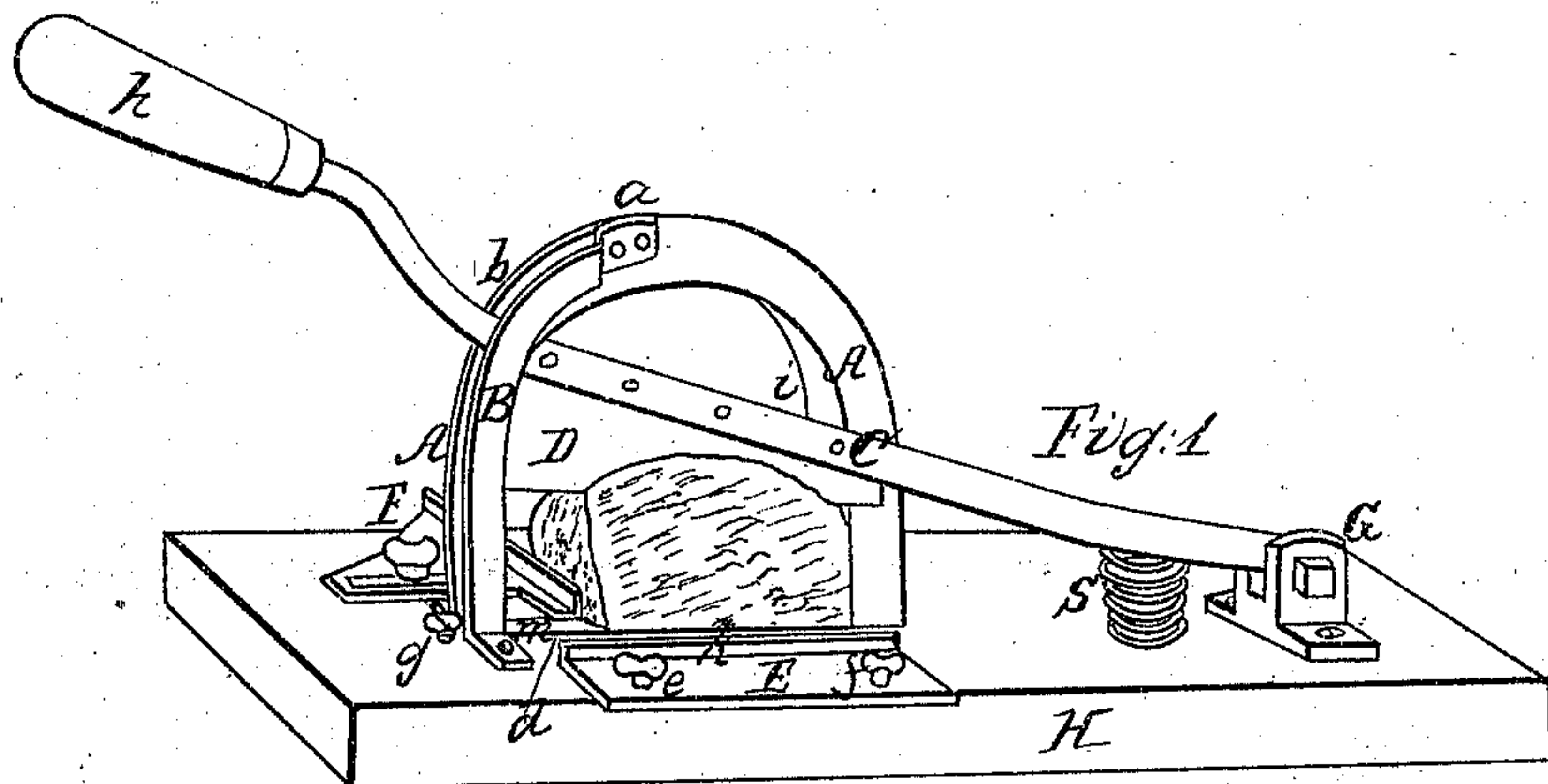


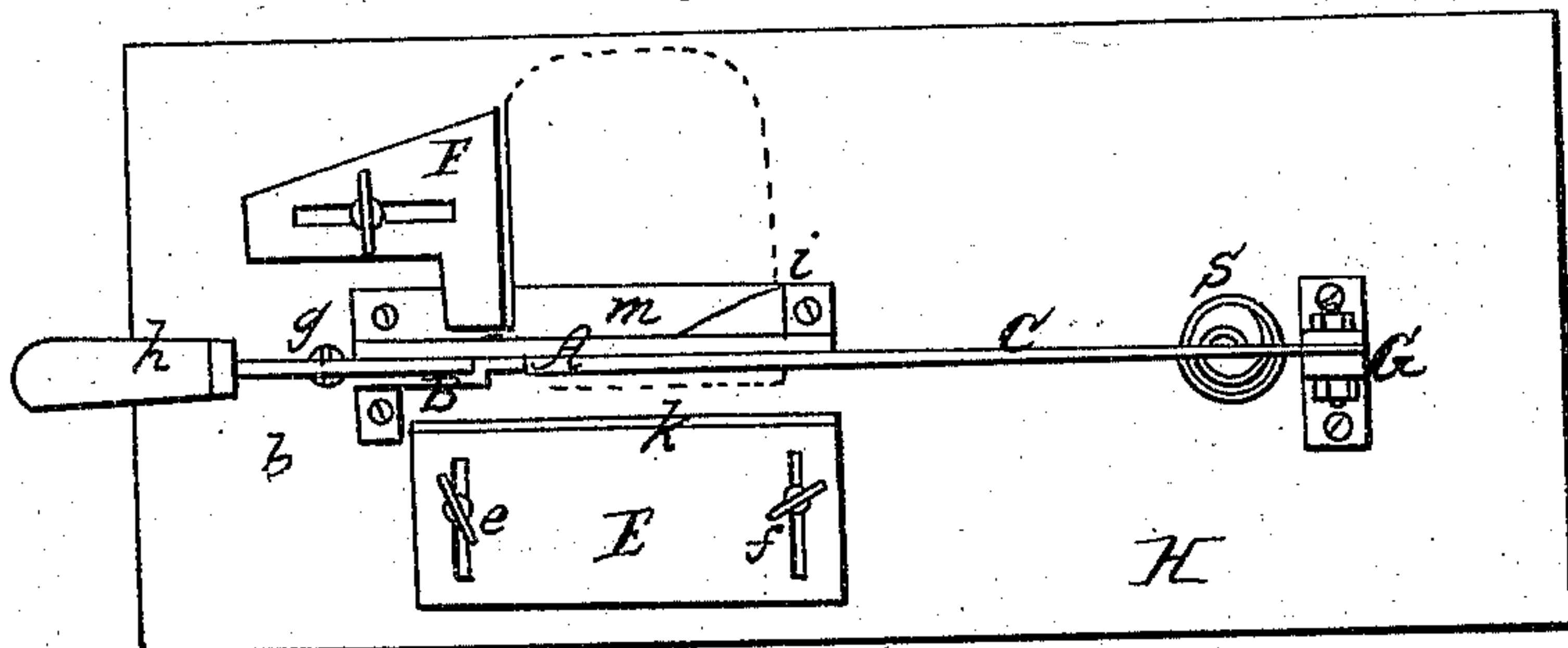
*J.D. Soles,  
Bread-Cutter,*

*No 81,427,*

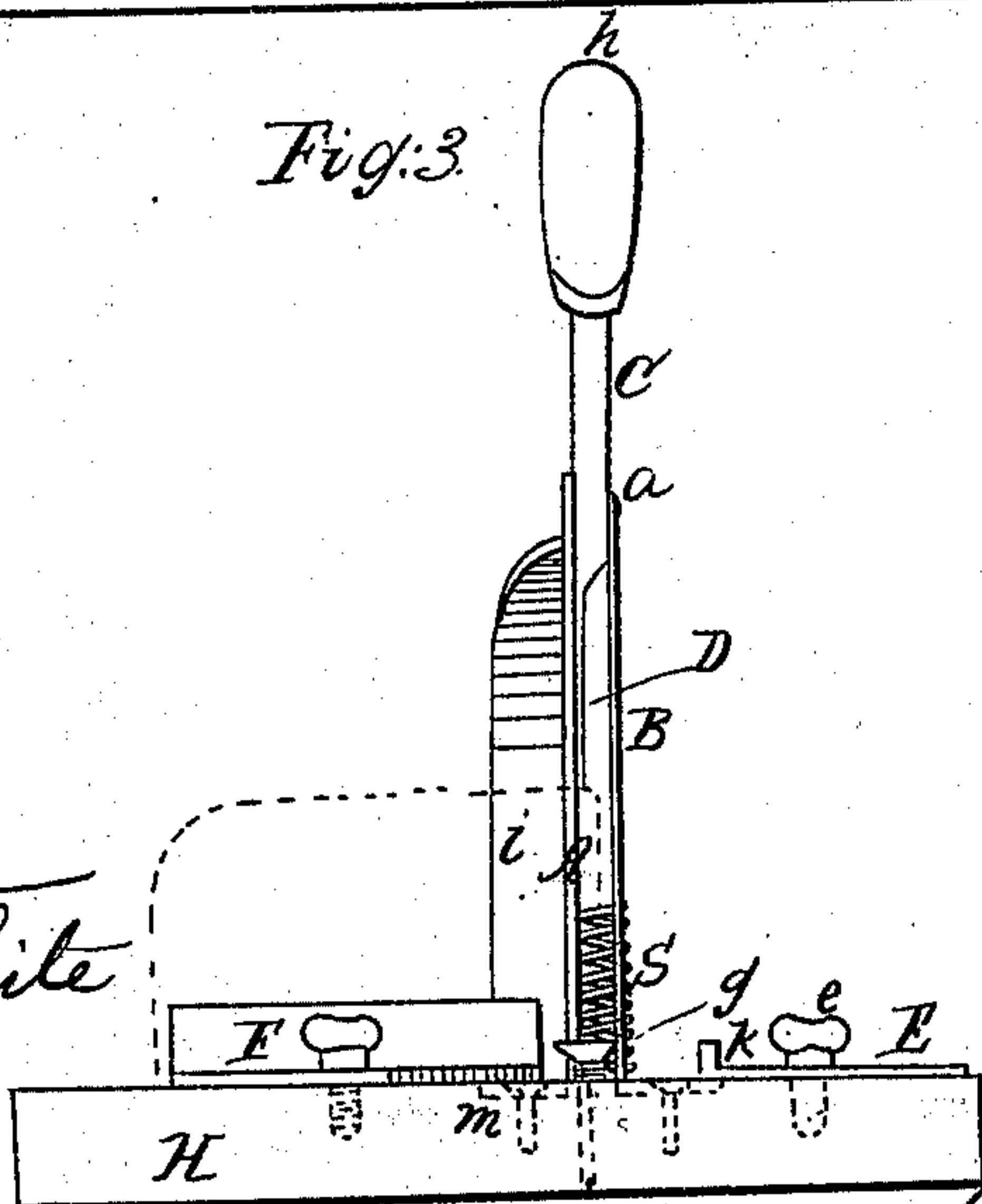
*Patented Aug. 25, 1868.*



*Fig. 2*



*Fig. 3*



*Witnesses*

*Ed. Thurston  
Barrett White*

*Inventor*

*James D. Soles*



# United States Patent Office.

JAMES D. SOLES, OF LYNN TOWNSHIP, ILLINOIS.

*Letters Patent No. 81,427, dated August 25, 1868.*

## IMPROVED BREAD-CUTTER.

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

Be it known that I, JAMES D. SOLES, of the township of Lynn, county of Knox, and State of Illinois, have invented a new and useful Device for Cutting or Slicing Dried Beef, Bread, or Vegetables, for domestic use; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view.

Figure 2, a plan.

Figure 3, end elevation.

This machine consists of a board, H, on which I erect the standard or arched plate A, of iron, between standards or sides of arch. The width of plate forming arch and supports, may be sufficiently thick to be of the requisite strength. It has a flange, *i*, or brace, projecting at right angles from the standard next to lower end of lever C, and is on a line with the inner side of standard, and cast in one piece with the bed-plate *m*, on which it rests, and the arched plate or standard A A.

The bed-plate has a bevelled cutting-edge on a line with the face of standards, as an auxiliary cutter to knife D, and is let into the board H just its thickness, and lies flush with the surface of the board, and fastened with screws. To form a slot for lever C, a plate, B, for guide to the same, *i. e.*, the lever, is placed at a sufficient distance from arched standard, (or, rather, the face of same,) of the same width and thickness, and following the curve of the arch from near its top, and then descending parallel with the outer standard to the surface of the board H, where a projecting plate, pierced with screw-hole, admits of its fixture to the board. On the side of the standards from which the flange or brace *i* projects, is placed the T-shaped adjustable guide F for the bread or beef to be cut, and having a perpendicular face or raised edge towards the object to be cut, which may be made of cast iron, and with a slot at right angles to the raised edge, and into which a thumb-screw is adjusted in a thread in the board below. On the opposite side of bed-plate *m* is the adjustable iron gauge E, about the same length as the bed-plate, and of an oblong shape, with a raised edge towards the knife, against which the face of the object to be cut is placed, when thickness of the slice is to be regulated. Two slots, one at each end of the gauge, at right angles to the knife, for admission of the thumb-screws *e f*, one to each slot, and passing into the board below. At the entrance of the slot, into the surface of the board, is screwed a gauge, *g*, for the regulation of the descent of the lever C, which may be either a screw or a thumb-screw. The cutter D is long enough to extend beyond the inner sides of the standard, so as to give the edge a good bearing against the polished face of the arched standard A A. It may be made about three inches in width and one inch wide at the end nearest fulcrum of lever, and is riveted to lever, which is about two feet in length for hotel use, but smaller for other uses, with sufficient thickness for strength. The end or fulcrum of the lever is pivoted in the iron clevis or standard G, placed in a line with the face of the arched standards A A, and secured by a movable bolt, for the purpose of removing the lever to grind or sharpen the knife. Under the lever, and near its fulcrum G, is placed the spiral or cylindrical spring S, or a spring of shape most suitable, and secured in position by the bent projecting ends of the wire of the spring entering corresponding holes, one in the under side of the lever, the other in the surface of the board H. The other arm or handle of the lever *h* projects a sufficient distance beyond the standard to give a good purchase to the hand of the operator. A slot is cut in the board for the admission of the knife.

The operation of this device is as follows: The substance to be cut is placed on the bed-plate *m*, previously adjusting the guide F, to press the same against the flange *i*, and also adjusting the gauge E for regulating the thickness of the slices to be cut. The handle *h* is then pressed down until the edge of the knife at the broadest part of same reaches the edge of the bed-plate *m*, when the cutting-edge of the latter comes into use. On being released, after the cut is made, the spring S carries the knife to top of the slot, ready for another cut. The knife and lever can be readily removed for sharpening it, by withdrawing the bolt from the clevis G. The brace or flange *i* acts as a surface, against which the object to be cut is securely held and prevented from spreading or crumbling.

The advantages of this device are—

First, its simplicity of construction.

Second, effectiveness of operation.

Third, non-liability, from its simplicity, from getting out of order.

Fourth, its cheapness.

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

The combination of the arched standard A, its guide-plate B, and flange *i*, and bed-plate *m*, the gauge E, the guide F, the spring S, the lever and knife C and D, all as and for the purposes described.

JAMES D. SOLES.

Witnesses:

EDMUND THURLOW,  
BARRETT WHITE.