

Vogel & Albright

Cabbage Cutter

N^o 88,349.

Patented Mar. 30, 1869.

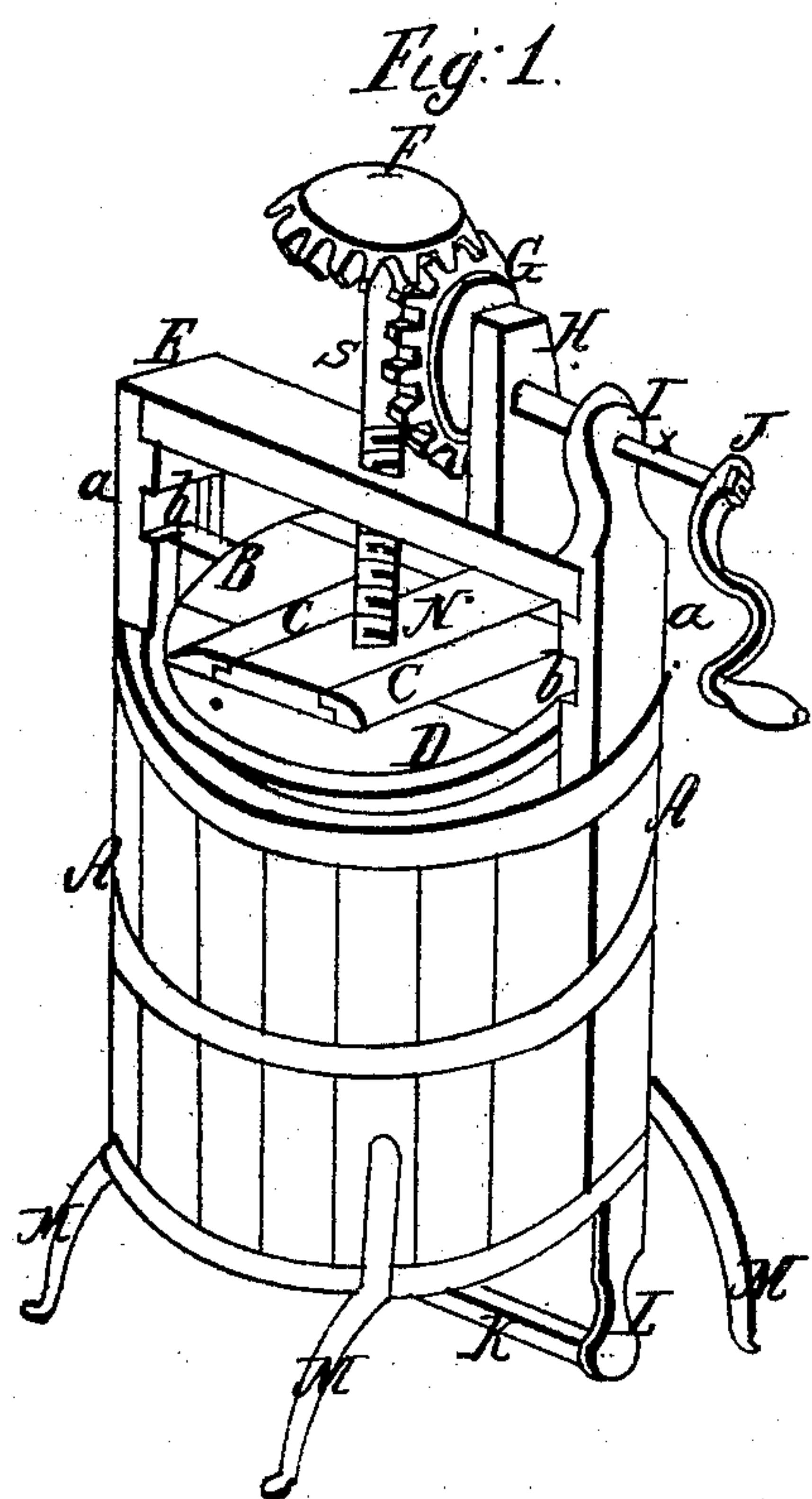


Fig: 2.

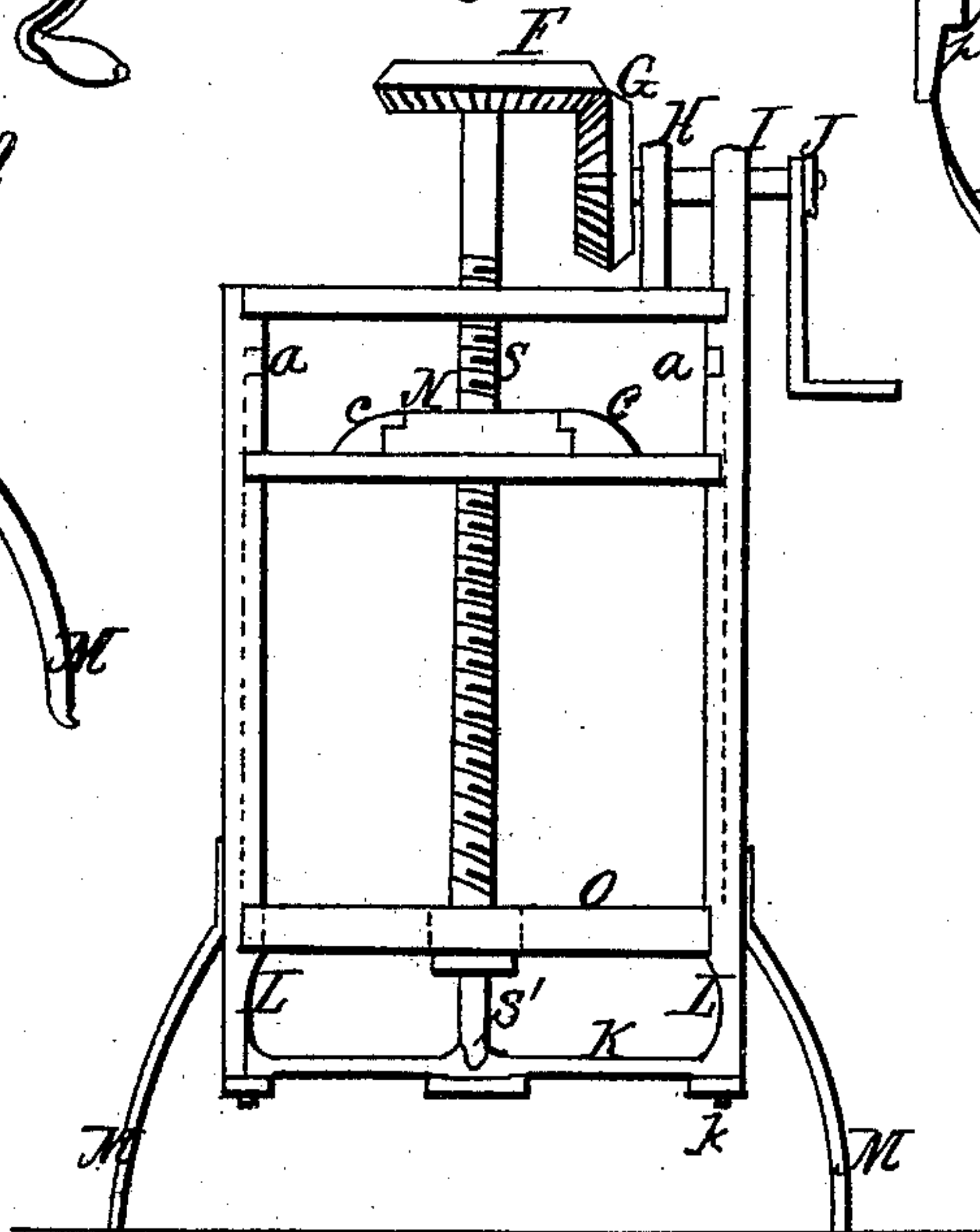
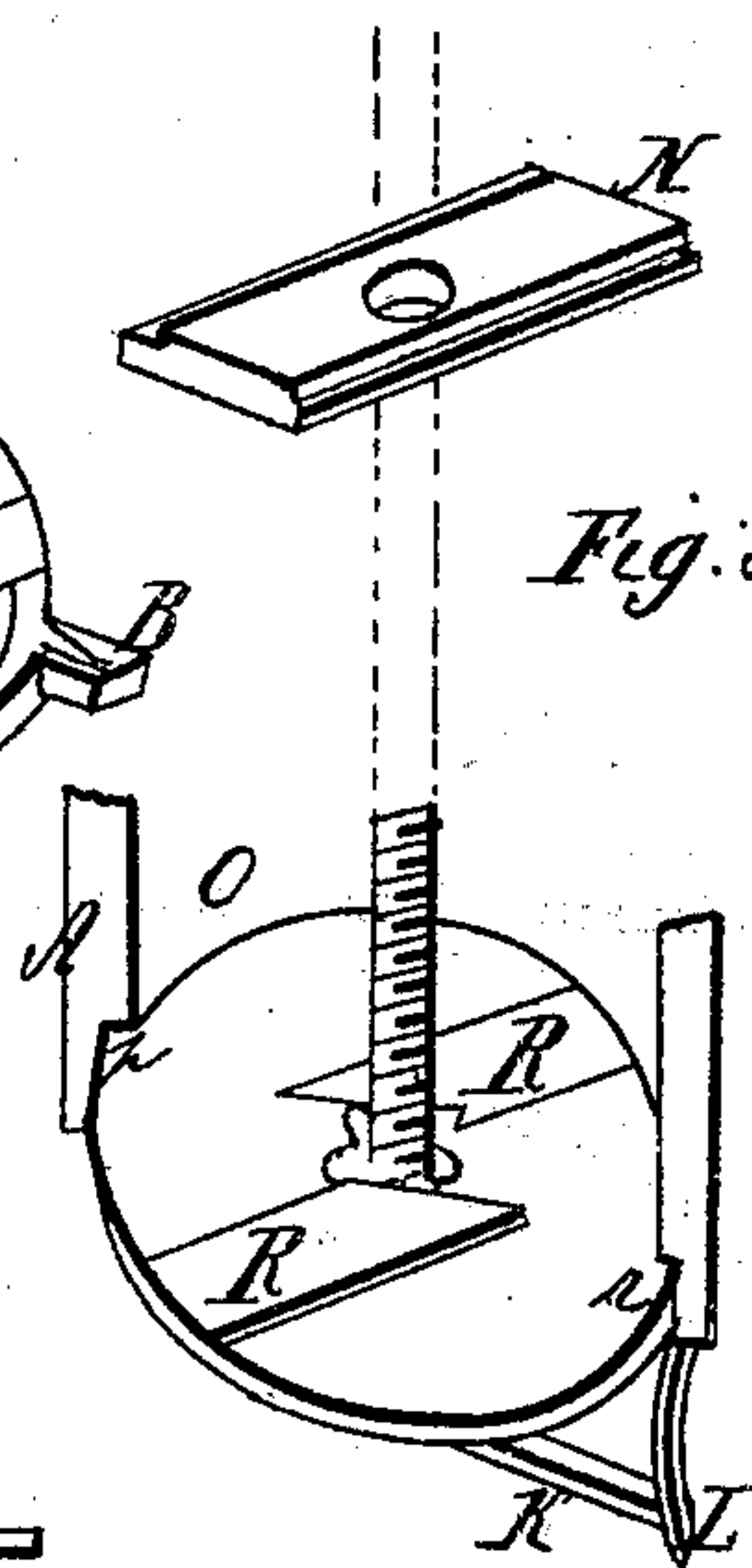


Fig: 3.



Witnesses;

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FRANCIS S. VOGEL AND JOHN R. ALBRIGHT, OF LANCASTER, PENNSYLVANIA.

Letters Patent No. 88,349, dated March 30, 1869.

IMPROVEMENT IN CABBAGE-CUTTER.

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

To all whom it may concern:

Be it known that we, FRANCIS S. VOGEL and JOHN R. ALBRIGHT, of Lancaster, in the county of Lancaster, and State of Pennsylvania, have invented a new and improved Arrangement in Machines for Cutting Cabbage; and we 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 accompanying drawings, in which—

Figure 1 is a perspective view of the machine;

Figure 2, a vertical section, to show the relative position of the parts;

Figure 3, detached portions of the same.

The nature of our invention consists in providing a feeding-lid, on a screw-shaft, sliding in side guides, so as to keep a constant and regular pressure upon the material, within an upright stand, or vessel, having sides parallel to each other, with a revolving bottom, provided with knives, connected by said screw-shaft, and operated by bevel-gear or a simple crank-handle.

To enable others skilled in the art to make and use our invention, it is only necessary to say that the stand, or vessel A has the vertical sides parallel to each other, of any diameter or height desirable.

The lower inner circumference of A has a shoulder, or portion cut out for the reception of the revolving bottom *o*, so as to close the chink.

This bottom has two or more knives, R, inserted as shown, and is rotated by the central shaft S, which has its step and bearings S' beneath, on K.

The vessel A is raised on attached supports M.

The side staves *a a*, opposite to each other, are elongated, and provided with a groove, *b*, for the lugs B on the lid D to slide in.

This lid has an open slot, *d*, to the centre, to adapt it to cover the vessel, on each side of which there is sliding way for the female-screw nut N, surrounding the shaft S.

The side staves A are united by a cross-piece, E, which also supports the central screw-shaft, surmounted by a bevel-pinion, F, and extending down

through the vessel to the step K, and to which the bottom, *o*, is secured, and revolves with it.

A horizontal shaft, *x*, connected with a crank-handle, J, and bevelled pinion G, completes the gear.

The side guides, or grooves for the lugs, or ears on the lid, open outwardly above, at *a*, as shown.

The lid D being removed, the heads of cabbage, cut in two, are packed around the shaft in the vessel, till sufficiently filled up. The lid is then inserted, by entering the side lugs B through the open space *a*, into the grooves, at the same time that the female-screw block N is in a position to slide in under the side ledges *c* of the lid D. When in its proper position, by turning the crank-handle, the lid will be fed down by the action of the screw-shaft and gear, so as to press upon the cabbage, or material, as the latter is brought in contact with the revolving knives, and sliced off as fed down, to a check in the groove, to prevent the lid coming in contact with the knives. By a reverse action, the lid is raised, taken off, and the vessel refilled.

Thus it is astonishing what an amount of cabbage can be cut with ease in a very short time, and "sour-kraut" made by the quantity, with little labor.

We are aware that the crank-handle and bevel-gearing are not novel, and that rotary bottoms, with knives, are also in use. Nor do we claim any of the parts employed, separately considered. But collectively, as a whole, the arrangement is new, and produces the most valuable results, for the purpose set forth.

What we claim as our invention, and desire to secure by Letters Patent, is—

The arrangement of a cabbage-cutter, A, with the screw-shaft S, sliding nut N, and lid D, combined with a rotary bottom, *o*, armed with knives R, the arrangement of the step K, all operating in the manner and for the purpose substantially in the manner specified.

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Witnesses:

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