

No. 710,085.

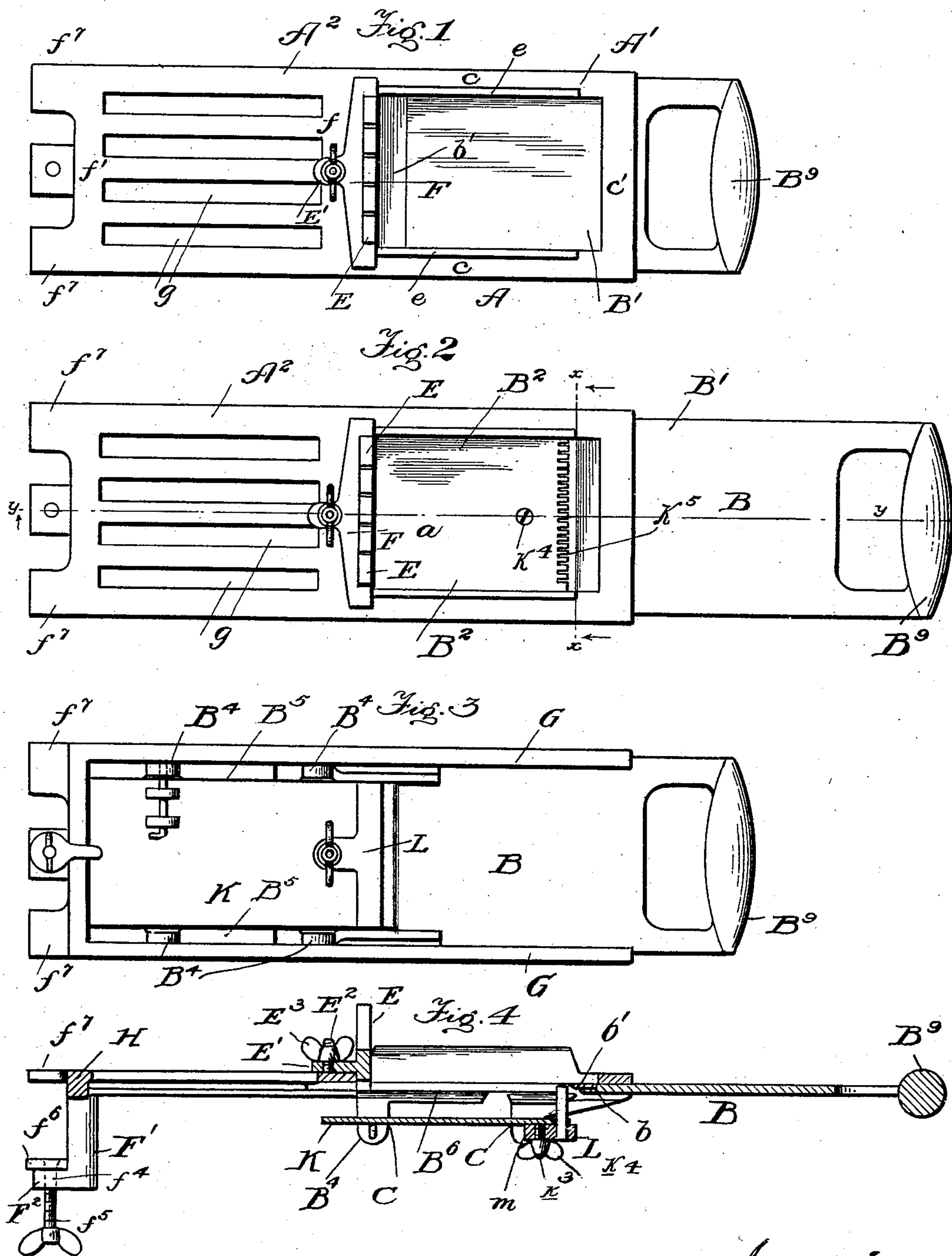
Patented Sept. 30, 1902.

L. L. STEVENS.
POTATO SLICER AND CUTTER.

(Application filed Jan. 24, 1902.)

(No Model.)

2 Sheets—Sheet 1.



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2 Sheets—Sheet 2.

Fig. 5

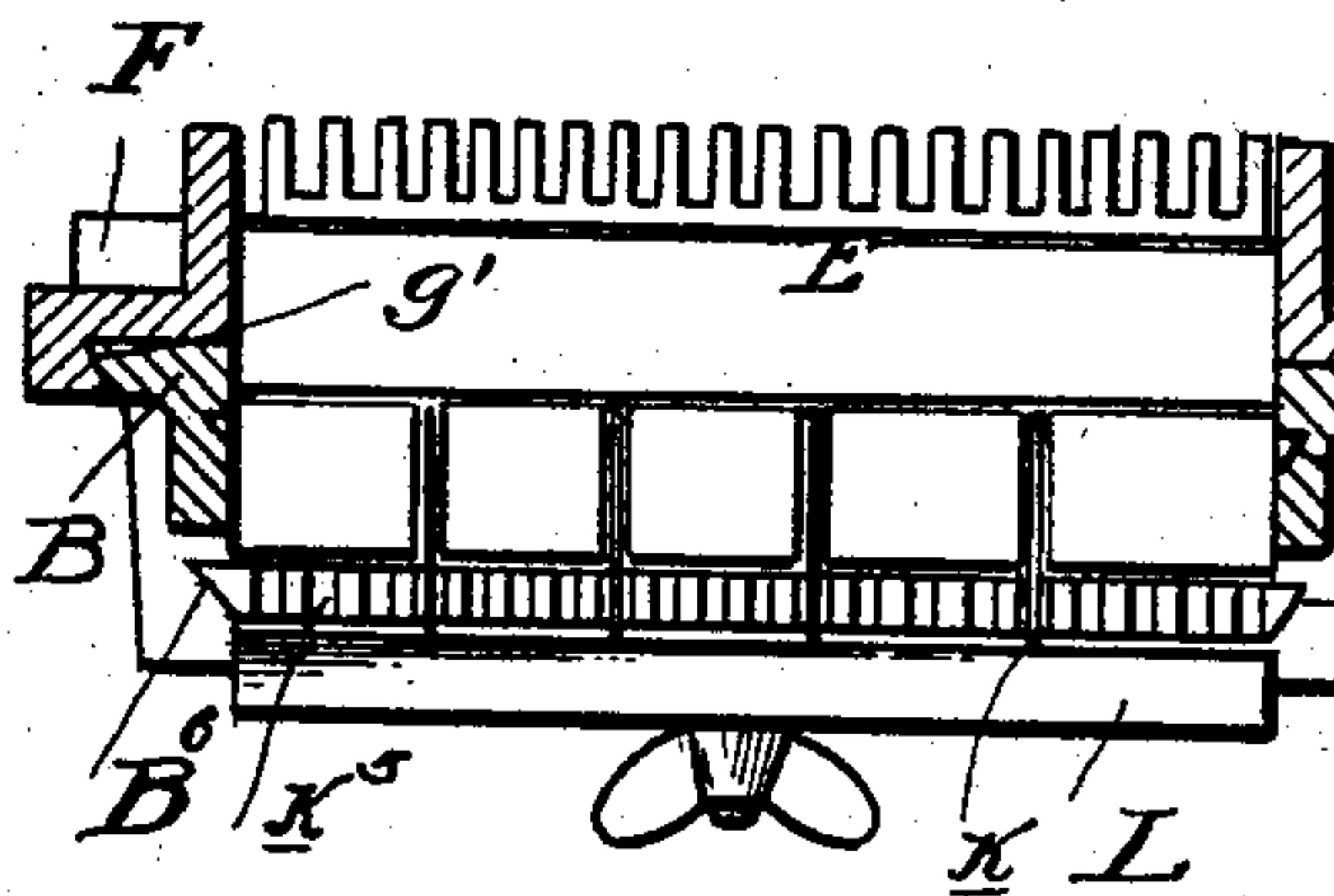


Fig. 6

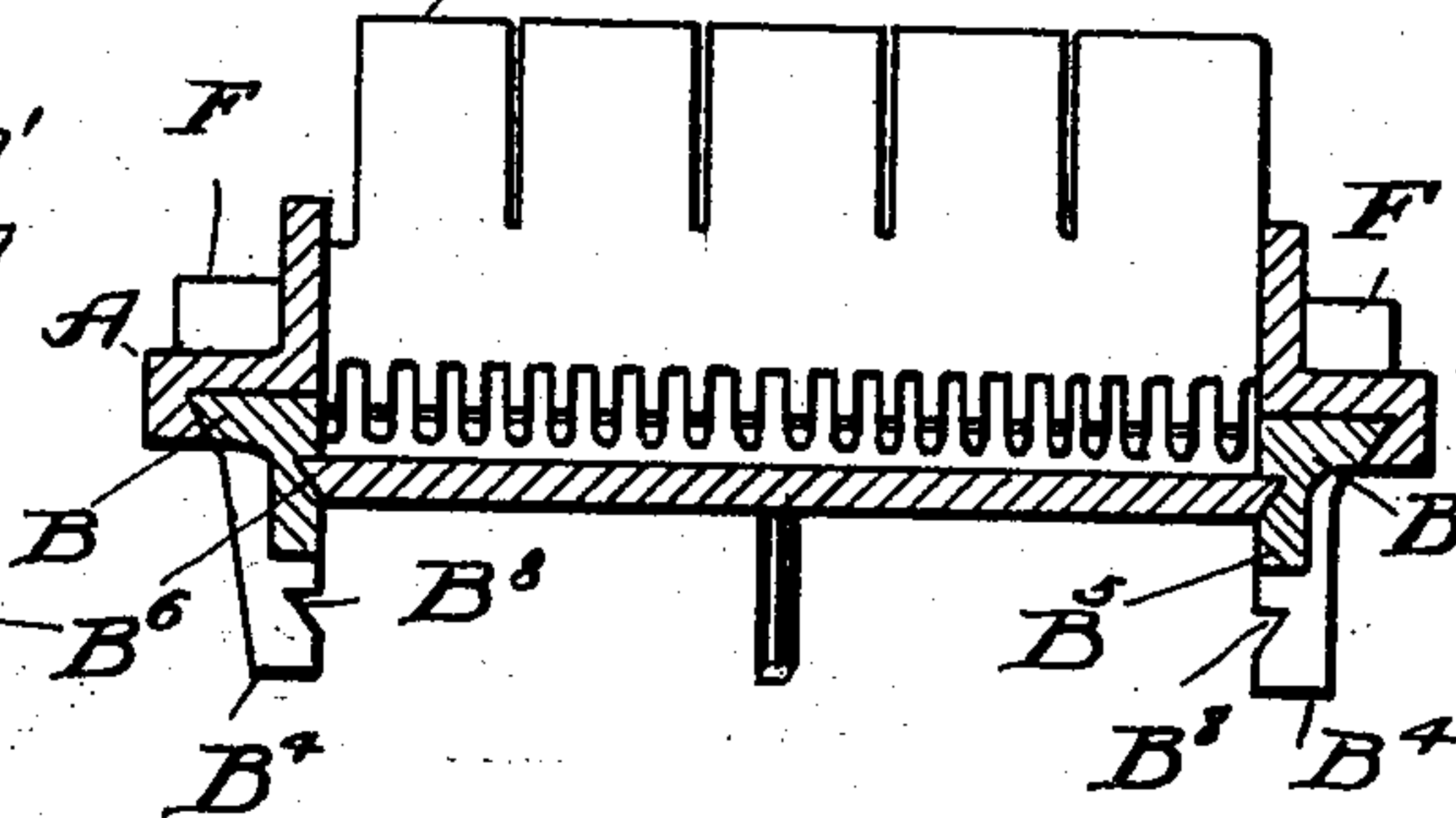


Fig. 7

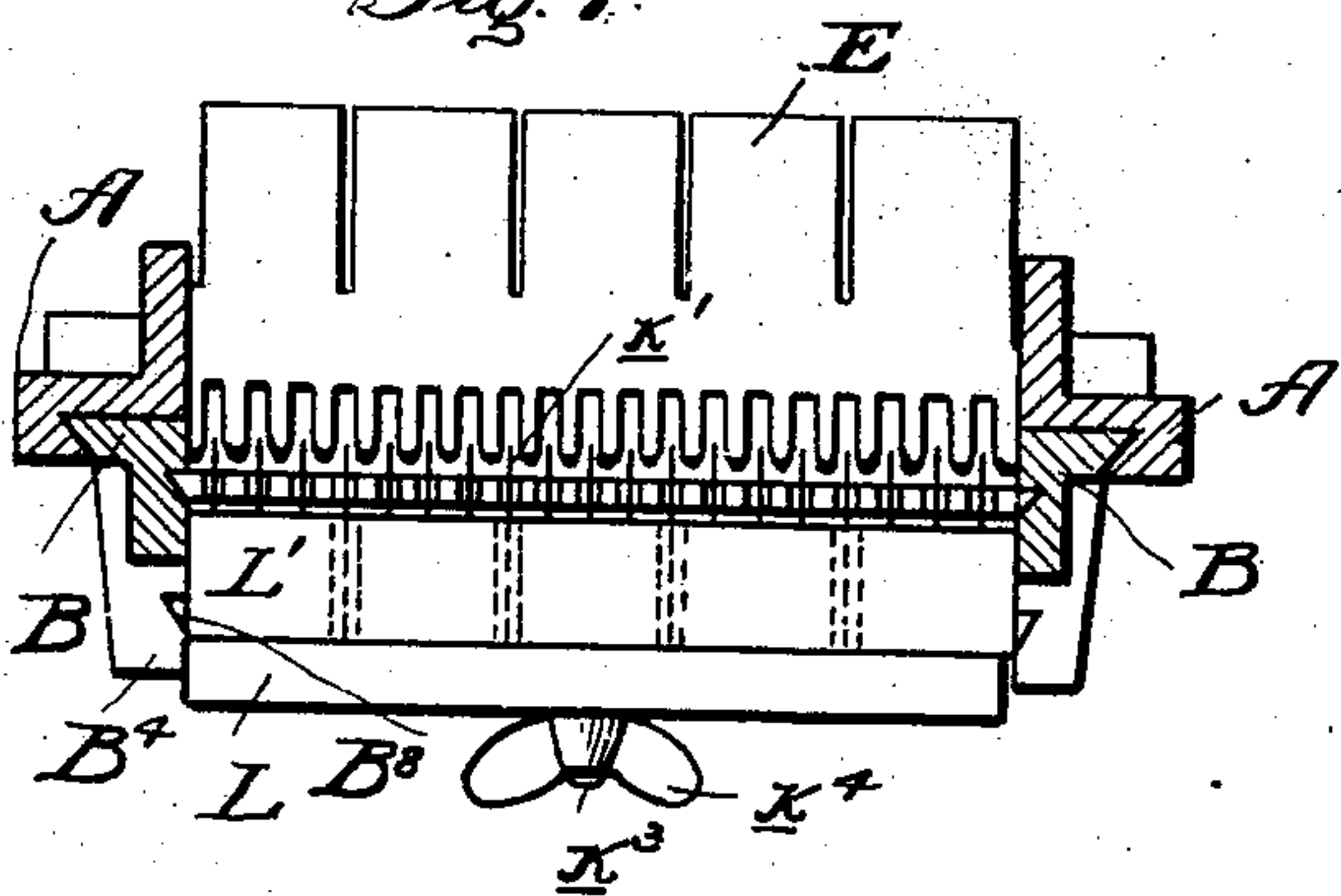


Fig. 8

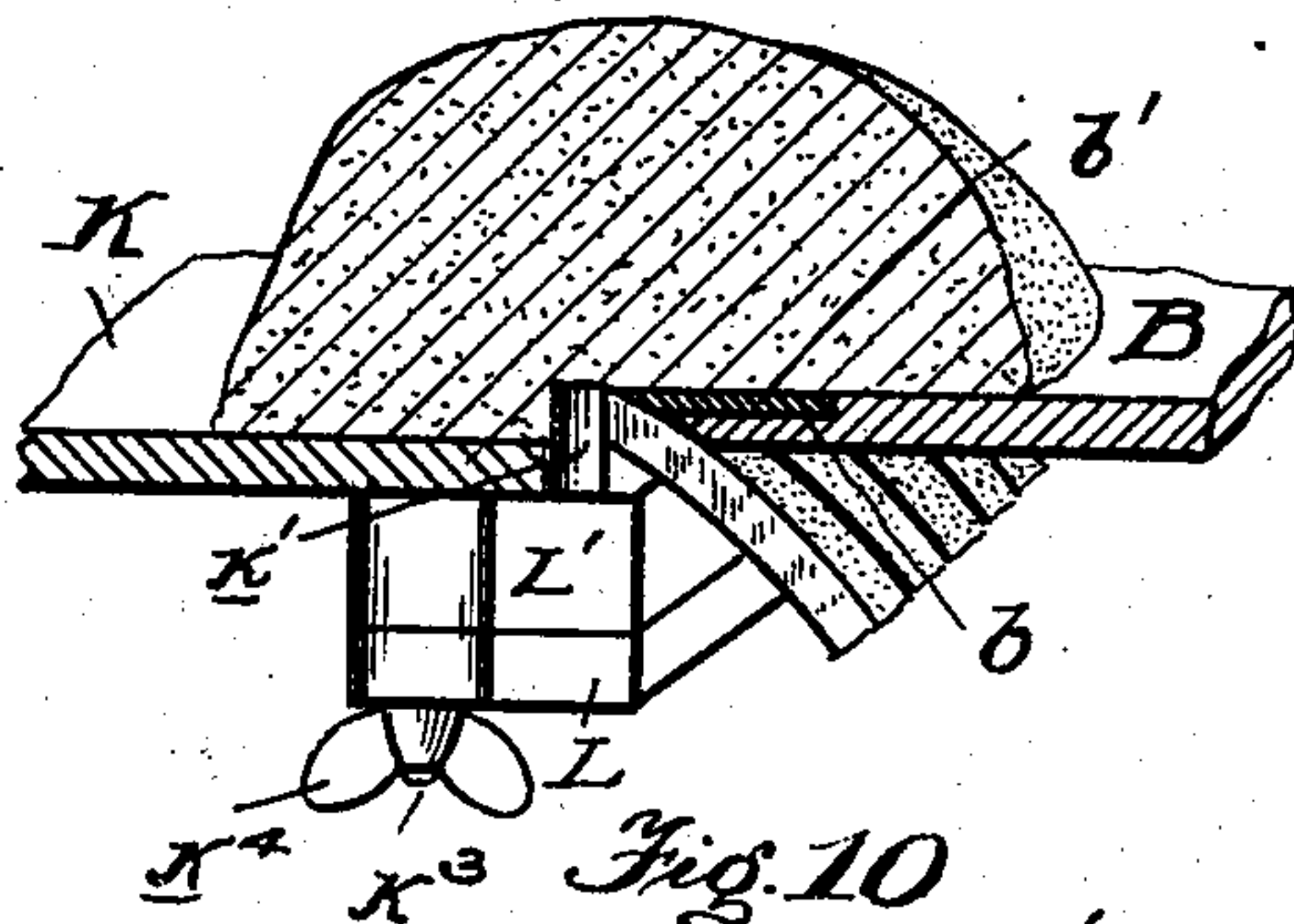


Fig. 9

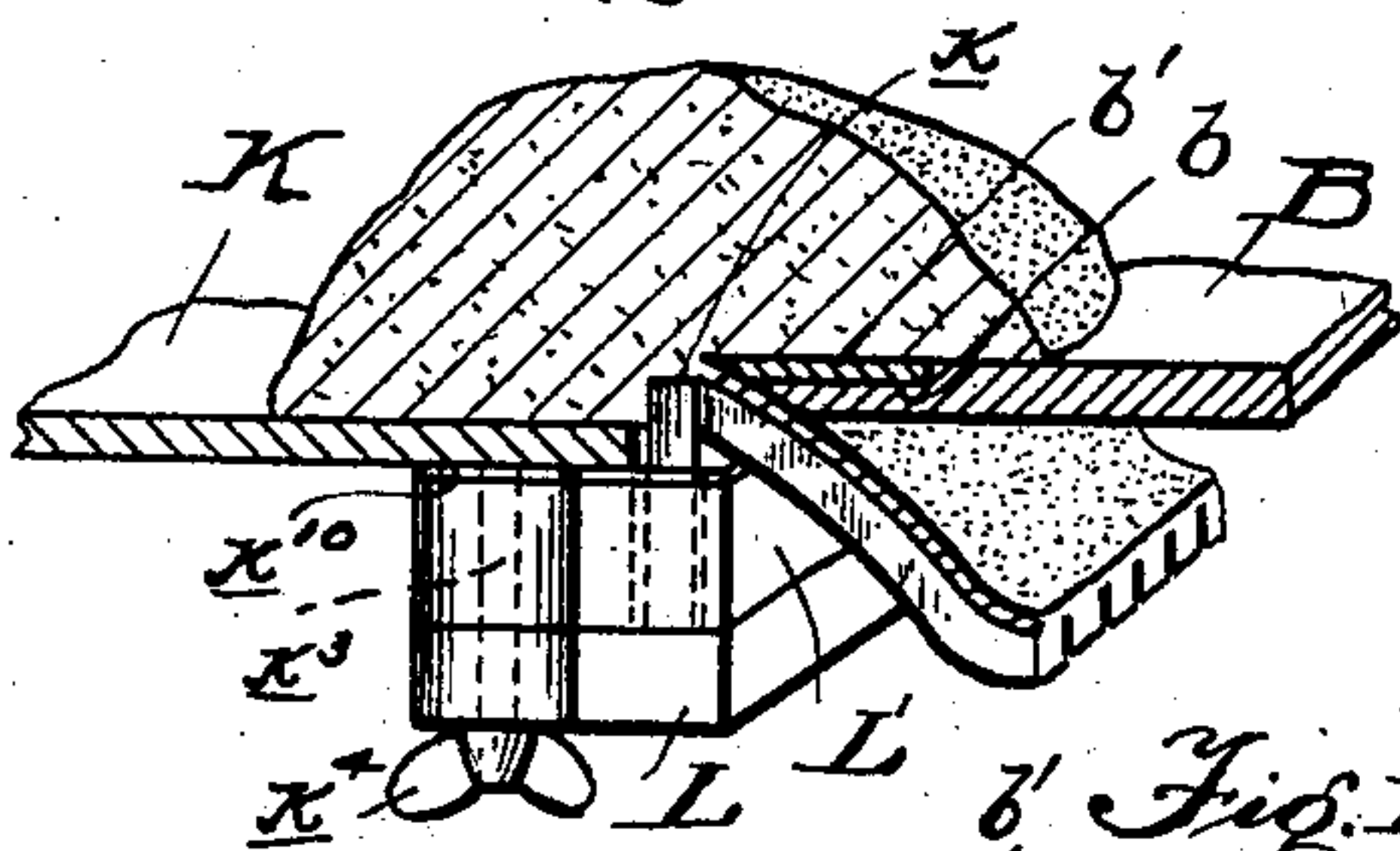


Fig. 10

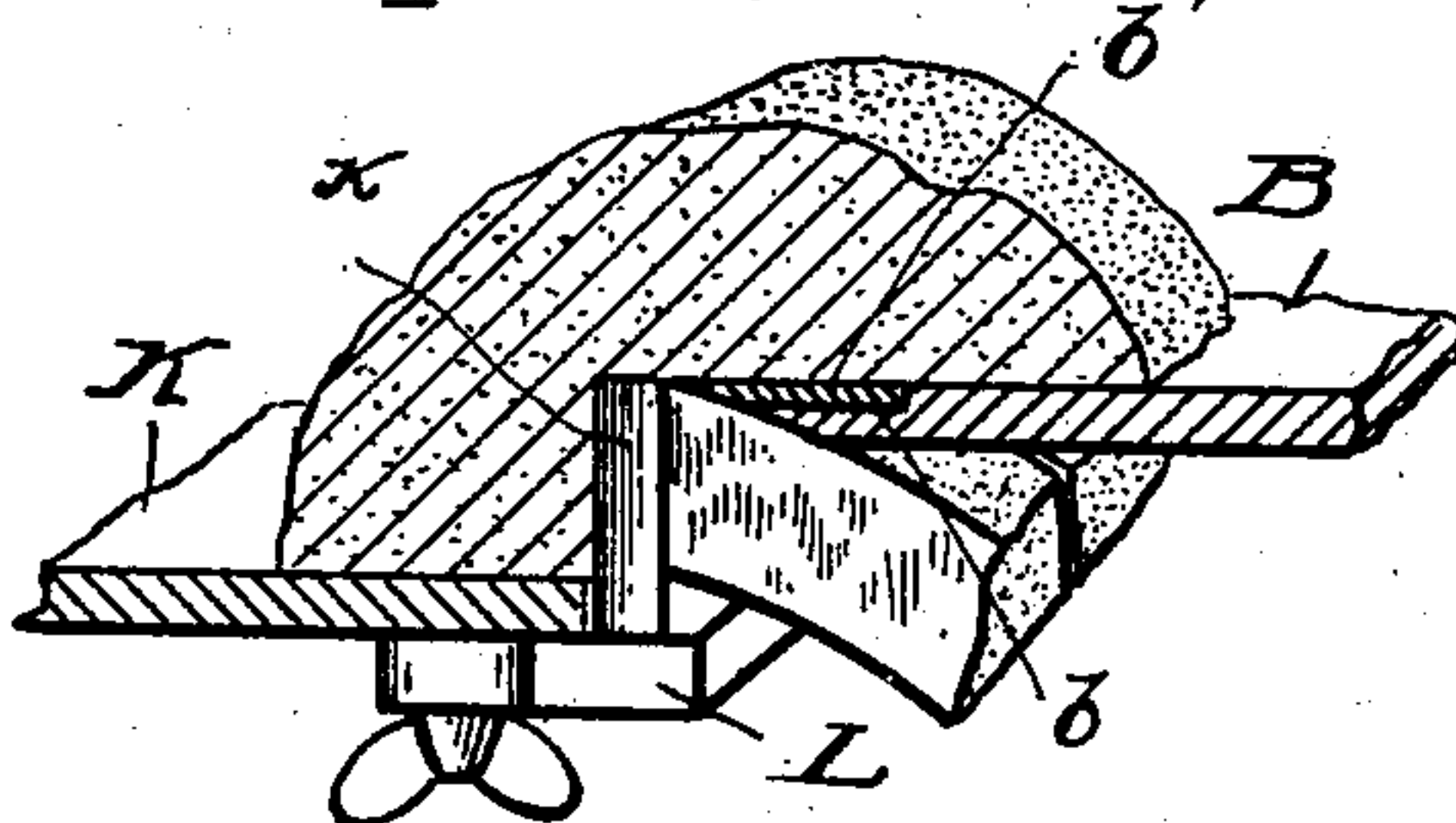


Fig. 11

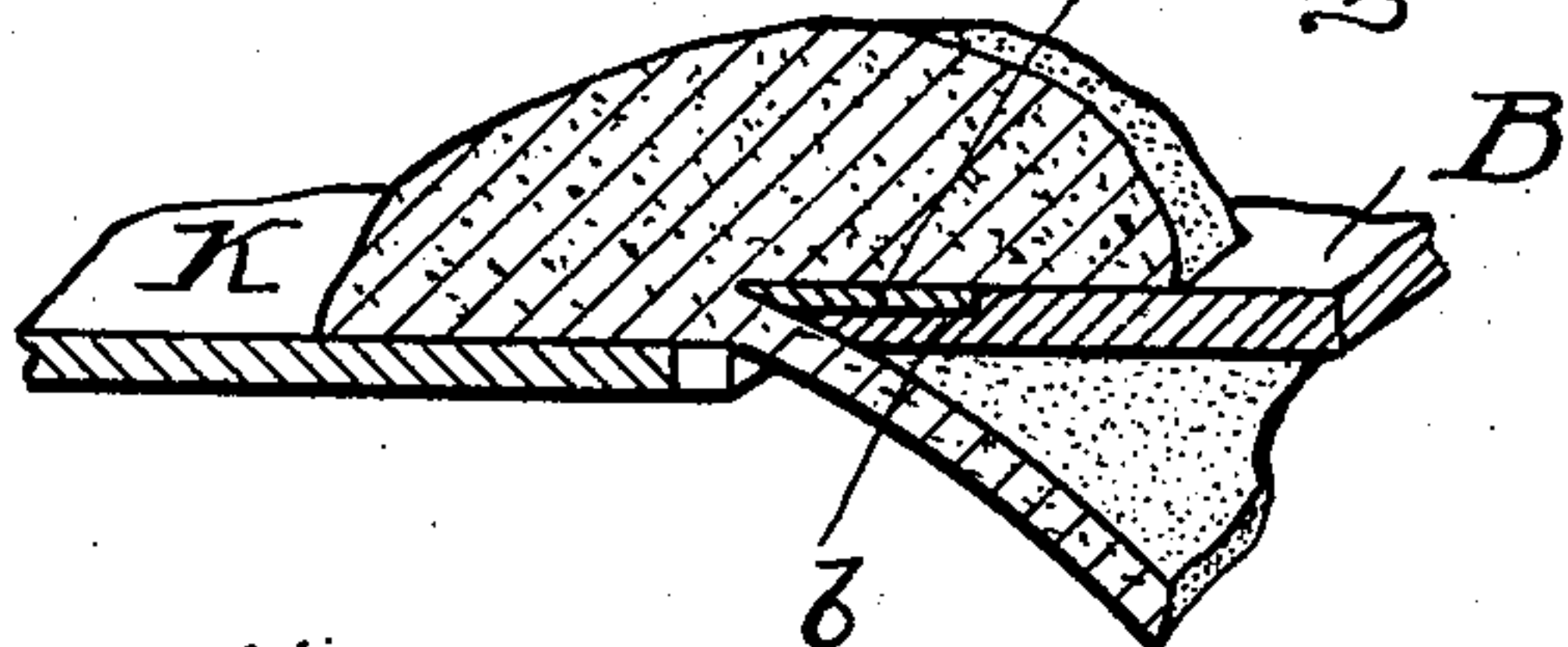


Fig. 12

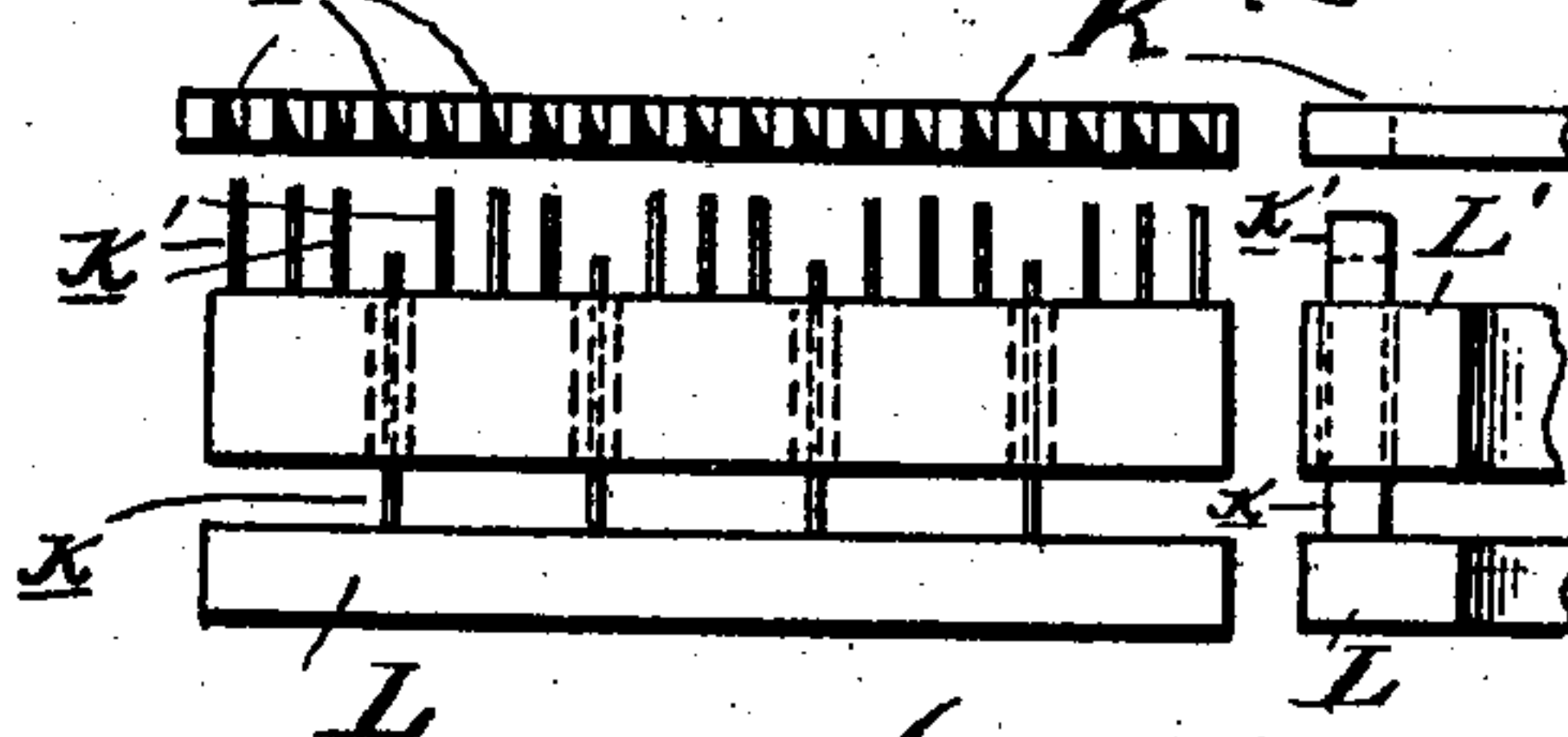


Fig. 13

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UNITED STATES PATENT OFFICE.

LAWRENCE L. STEVENS, OF LOS ANGELES, CALIFORNIA.

POTATO SLICER AND CUTTER.

SPECIFICATION forming part of Letters Patent No. 710,085, dated September 30, 1902.

Application filed January 24, 1902. Serial No. 91,129. (No model.)

To all whom it may concern:

Be it known that I, LAWRENCE L. STEVENS, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Potato Slicer and Cutter, of which the following is a specification.

This invention relates to improvements in machines for slicing and cutting potatoes, other vegetables, and other articles of food; and the objects of my improvement are, first, to provide the parts adjustable and easily operated; second, to make the parts easily closed or extended; third, to afford facilities in the accomplishment of a plurality of results, and, fourth, to enhance the convenience in the operation. I attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a top plan view of the machine closed, the sliding parts lying one over the other. Fig. 2 is a top plan view of the slicer opened and extended to its full length. Fig. 3 is a plan view of the under side of the slicer closed, the movable parts one over the other. Fig. 4 is a longitudinal sectional view on the line *y y* of Fig. 2. Fig. 5 is a cross-sectional view on line *x x* of Fig. 2 looking in the direction of the arrows. Fig. 6 is a view in cross-section on line *x x* in the direction of the arrows, the cutter-knives in position for cutting the plain slice. Fig. 7 is a view in cross-section looking in the direction of the arrows, the cutter-knives in position for making the shoestring cut. Fig. 8 is a perspective view, some of the parts of the slicer in section and in place for making what is known to the trade as "shoestring" cut. Fig. 9 is a perspective view, parts of the slicer in section and in position, with a portion of a potato in place thereon, ready to be cut into what is known as the "fancy" cut. Fig. 10 is a view in perspective, parts of the slicer in section, a portion of a potato thereon ready to be cut into what is familiarly known as the "French fry." Fig. 11 is a view in perspective, parts in section and in position for cutting plain slice. Fig. 12 is a front view in elevation of the cutter-knives, and Fig. 13 is a side elevation of the same.

Similar letters refer to similar parts throughout the several views.

The letter A refers to the stationary bed-plate, preferably rectangular in form. The free end or well portion A', which forms about one-half of the stationary plate, is recessed or cut out, forming a rectangular well *a*.

c c represents the side walls of the well *a*, and *c' c'* the ends of the well, and rising from the side walls *c c* are two ridges or ledges *e e*, which extend nearly the entire length of the side walls *c c* of the well *a*. The end of the well *a* adjacent to the slatted portion A² of the stationary bed-plate A is walled up higher than the ridges or ledges *e e* upon the sides of the well *a* by means of the reversible back-stop E, which is composed of a body portion F, extending across the end of the well *a*, and resting upon the sides *c c* of the well at the rear ends of the two ridges or ledges *e e*. Said back-stop E is provided with a rear-extending ear E', having a hole therein, through which a screw-bolt E² passes and through the stationary parts A² of the bed-plate A, and on the screw-threaded end thereof the thumb-nut E³ firmly holds the reversible back-stop E, as shown in Figs. 5 and 7 of the drawings, to the stationary portion A² of the bed-plate A. The head of the screw-bolt E² is countersunk into the under face of the end of the slatted portion A² of the bed-plate. The slatted portion A² upon the rear frame thereof, *f'*, and upon its under face has cast the downward-extending bracket F', provided with a flat horizontal portion F², vertically perforated and screw-threaded at *f*⁴, through which perforation the thumb-screw *f*⁵, carrying thereon the washer *f*⁶, whereby the stationary bed-plate A by means of the two rearwardly-extending lips *f*⁷ is firmly clasped to any suitable article of kitchen furniture or to a projecting ledge of the kitchen or to any other suitable article provided for steadily and firmly holding the slicer in place while it is operated. I preferably cast or otherwise make all the parts hereinbefore mentioned in one piece, except the reversible back-stop E, as shown in Figs. 5 and 7 of the drawings, the thumb-screw, nut, and washer *f*⁶, used for clamping the stationary bed-plate A to an article of furniture or any suitable holding device.

The open spaces *g g* in the slatted portion A² of the bed-plate A are made as shown in

order to lessen the weight and to save material in the construction of my improvement. On the under side or face of the bed-plate A are two projecting ledges G G, extending the entire length of the well and slatted portion A' and A² of the bed-plate, and in these ledges G G are horizontal grooves g' g', in which the movable cutter-handle plate B is reciprocated by means of the handle B⁹. H refers to the strengthening-rib cast on the under face of the end frame f' of the slatted portion A², and on the said end frame f' the bracket F' is cast.

The cutter-handle plate B is made or cast in one piece, and it is composed of two sections B', of which the handle B⁹ forms a part, and the well portion B². To the rear end of the handle portion or section B' and seated in a recess b thereof and extending from side to side of the handle portion B' the cutter-blade b' is securely fastened by means of screws or other suitable devices. B² refers to the well portion of the handle-plate B and is laterally bounded by two flat ledges B⁵ B⁵, which contain longitudinal grooves or ways B⁶ B⁶ and projecting downwardly, as illustrated in Figs. 4, 5, 6, and 7 of the drawings. From the said ledges B⁵ B⁵ depend two lugs C C. Said lugs also contain horizontal grooves or ways, as shown at B⁸ B⁸, in which grooves or ways B⁶ B⁶ and B⁸ B⁸ the well-bottom plate K, carrying the cutter-knives k k', is adjustably secured. To the under face of the well-bottom plate K, near its front end, by means of a screw-threaded bolt k³ and the thumb-nut k⁴ the cutter-knives are adjustably secured. The blades of these cutter-knives project upwardly through serrations k⁵ in the front edge of the well-bottom plate K. The heads L L' of the cutter-knives have rear extensions m m', vertically perforated, through which perforations the screw-bolt k³ passes, and the thumb-nut k⁴ clamps the heads L L' of the cutter-knives firmly to the under face at the front end of the well-bottom plate K. The perforated washer k¹⁰ is inserted between the plate K and the cutter-head L', as shown in Fig. 9 of the drawings, whereby the fancy slice is produced.

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

1. In slicing-machines, the recessed stationary plate having grooves upon the under face thereof throughout the entire length of said plate, the cutter-handle plate carrying the cutter-blade and the reversible stop secured to said stationary plate.

2. The recessed stationary plate provided with longitudinal grooves, the cutter-handle plate adapted to slide in said grooves, and carrying the cross-cutter blade, the reversible stop secured to the stationary plate, the cutter-handle plate having one or more series of ways and an adjustable well-bottom plate carrying cutter-knives adapted to slide in said ways.

3. The recessed bed-plate having longitudinal grooves upon the under face thereof, the reversible stop removably secured to said bed-plate, the cutter-handle plate carrying the cross-cutter blade, the cutter-handle plate provided with one or more series of longitudinal ways below the upper face thereof, a well-bottom plate carrying a series of adjustable knives and adapted to slide longitudinally in said series of ways in the cutter-handle plate.

4. In slicing and cutting machines, the recessed stationary bed-plate provided with longitudinal grooves upon the under face thereof and extending substantially the entire length of said plate, the removable and reversible stop secured to said bed-plate, the cutter-handle plate carrying the cross-cutter blade and having one or more series of longitudinal ways below the upper face thereof, a well-bottom plate provided with serrations or slots in the front edge thereof, said well-bottom plate carrying a series of adjustable cutter-knives adapted to operate in said slots.

5. The potato slicing and cutting machine comprising the recessed stationary bed-plate having the clamping-bracket at the rear end thereof and cast integral therewith, said plate provided with grooves upon the under side thereof and extending substantially the entire length of said plate, the reversible stop removably secured to said plate, the cutter-handle plate carrying the cutter-blade adapted to slide in said grooves, the said cutter-handle plate provided with one or more series of horizontal ways below the upper face thereof, a well-bottom plate having open-ended slots or serrations at the front edge thereof, the said well-bottom plate carrying one or more series of cutter-knives adjustably secured thereto and adapted to slide longitudinally in said horizontal ways.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

LAWRENCE L. STEVENS.

Witnesses:

GEORGE K. HORTON,
L. B. ALDERETE.