F. BÄUERLE.

PRESS FOR SWEETMEATS, TABLETS, AND THE LIKE.

APPLICATION FILED DEC. 2, 1907.

906,676. Patented Dec. 15, 1908.

Fig. 1.

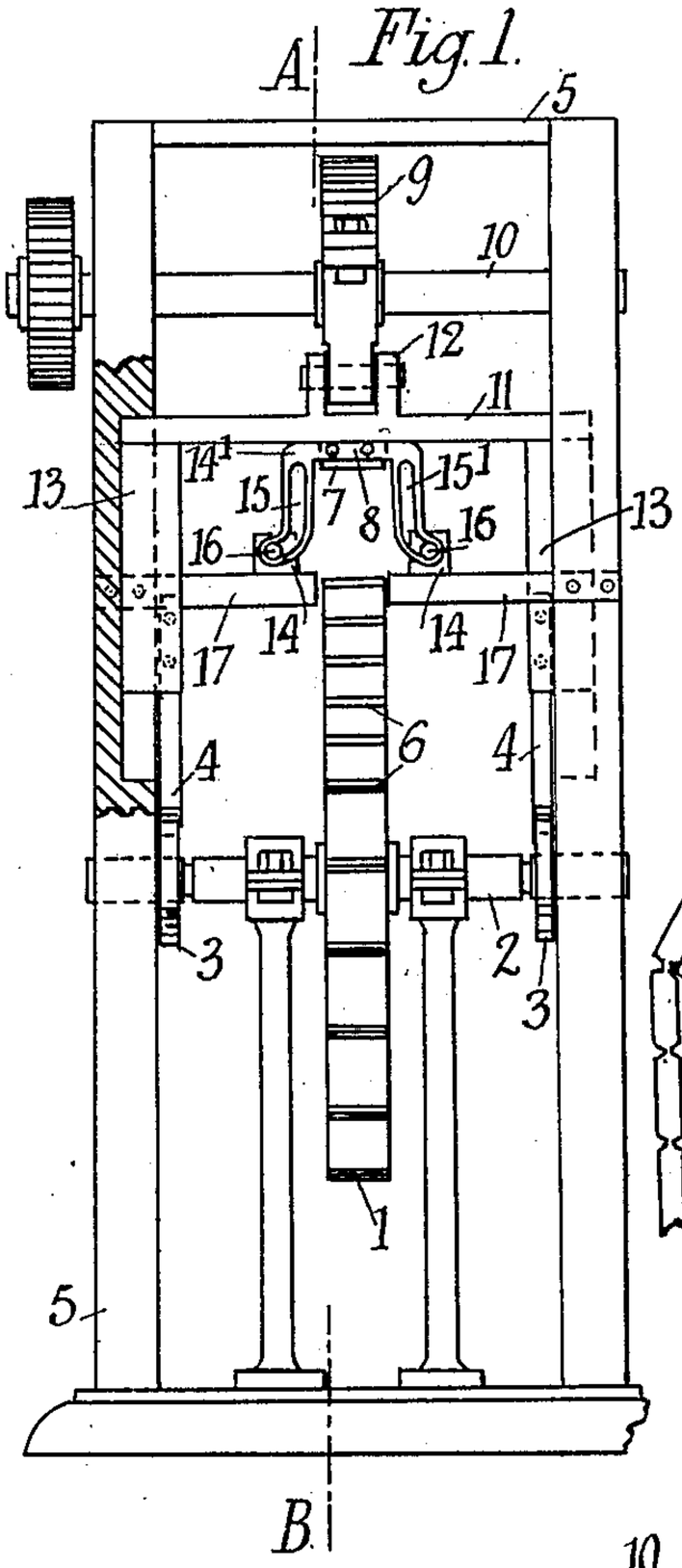


Fig. 2.

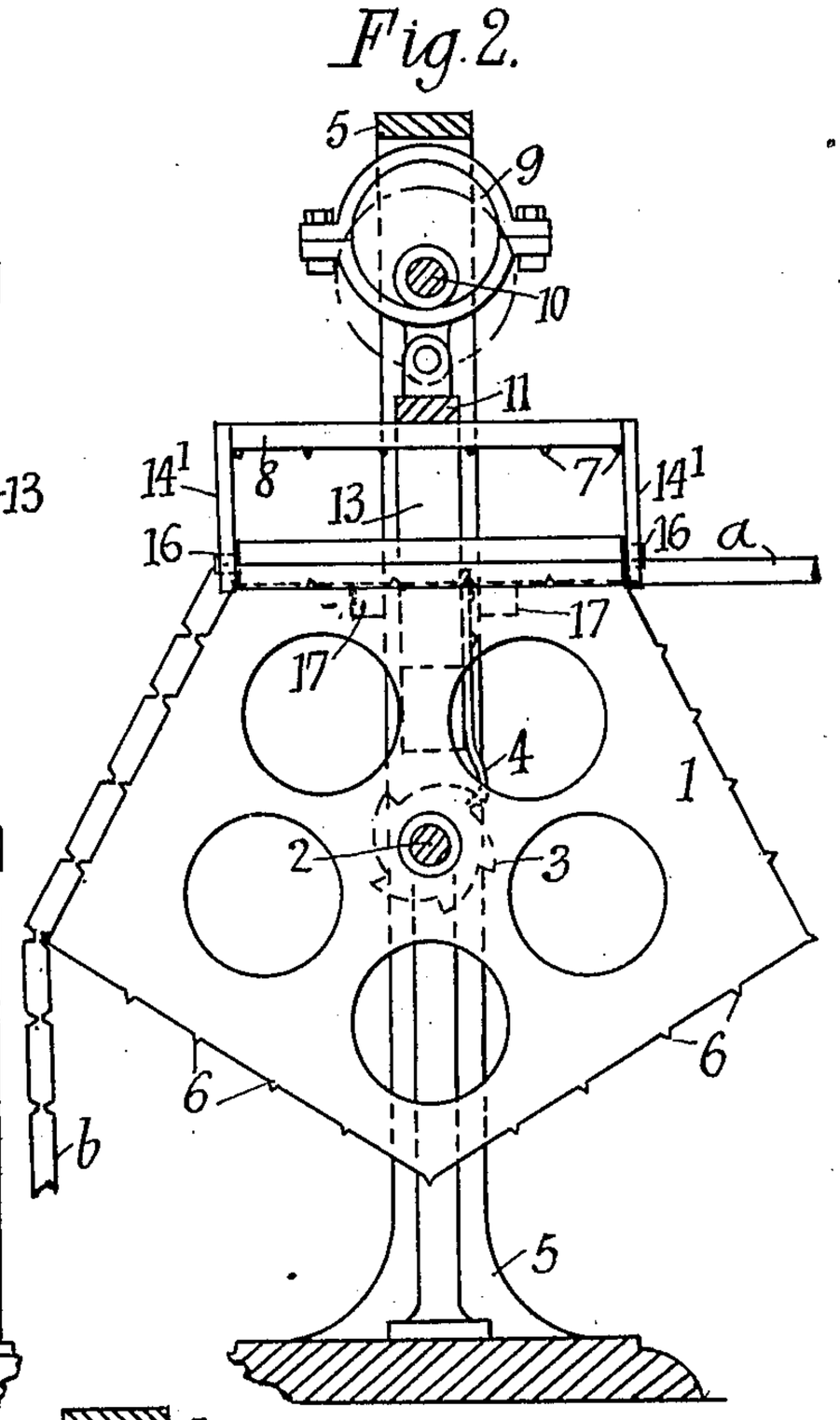
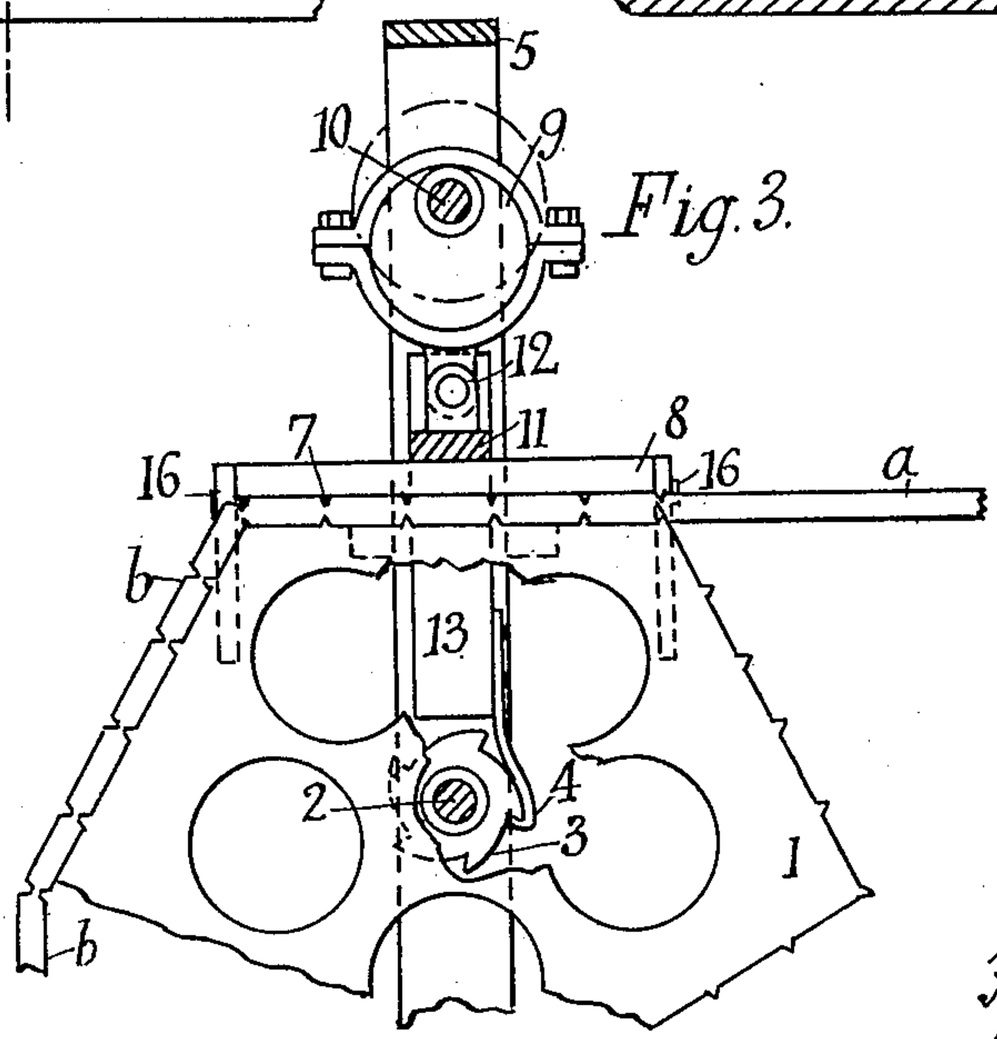


Fig. 3.



Witnesses:
J. Chatwin.
L. Chatwin.

Inventor:
F. Bäuerle
By Jno. H. Graebelt
Atty.

UNITED STATES PATENT OFFICE.

FRIEDRICH BÄUERLE, OF STUTTGART, GERMANY.

PRESS FOR SWEETMEATS, TABLETS, AND THE LIKE.

No. 906,676. Specification of Letters Patent. Patented Dec. 15, 1908.

Application filed December 2, 1907. Serial No. 404,792.

To all whom it may concern:

Be it known that I, FRIEDRICH BÄUERLE, a subject of the Emperor of Germany, residing at Stuttgart, Würtemberg, in the German Empire, have invented a new and useful Improvement in Presses for Sweetmeats, Tablets, and the Like, of which the following is a specification.

This invention relates to a press for sweetmeats, tablets and the like, which cuts and compresses the continuous sweet-yard, and which is fitted with laterally moving side-blocks for completing the mold and preventing waste; the object being the simplifying of the press in its construction and operation.

In the press hereinafter described and illustrated by the annexed drawing, all complicated operating gear, such as toothed wheels and belt drive, is avoided, and its molding and severing parts comprise mainly an intermittently revolving polygonal plate with cutting teeth adapted to operate in conjunction with a vertically moving presser and the aforesaid laterally moving side-blocks.

Figure 1 of the drawing is a front elevation partly shown in section; Fig. 2, is a vertical section on line A—B of Fig. 1; and Fig. 3 is a portion of Fig. 2 with the operative parts in the depressed position.

The polygonal plate 1 is fast on the shaft 2 suitably mounted in the standards 5 or frame of the machine. The shaft has keyed to it two ratchets 3 operated by spring pawls 4. The plate 1 which is of suitable thickness, has cutters 6 at its edges to coöperate with analogous cutters 7 at the underside of a vertically moving press-bar 8. An eccentric 9, on the power shaft, 10, is fitted with strap formed with a depending eye engaged by a pin to lugs 12 of a head-beam 11 to which the press bar 8 is fixed as well as depending arms 13 for use in carrying the pawls 4. These arms are guided in ways cut in the standards 5. The press-bar 8 carries slotted end plates 14^1 in which are retained lateral moving blocks 14. The slots 15 and 15^1 respectively in each end plate 14^1 engage the head pins 16 of the blocks 14, and said slots are so shaped or curved as to force these blocks tight against the plate 1 during the descent of the press bar 8 and then move them apart during the ascent of the latter. To this end, the said blocks 14 are carried upon rigid cross-bars or brackets 17.

The operation is as follows: While the power shaft 10 revolves, a continuously fed strand *a* of prepared material enters at one side of the press upon the upper edge of the plate 1 as indicated at Fig. 2. The eccentric 9 revolves with its shaft and so causes its strap during the first part of a revolution to lower the head-beam 11 with the press-bar 8 and its aforesaid appendages, thereby bringing the blocks 14 close against the plate 1. In this manner the material is being compressed at all sides and almost simultaneously cut into a string of molded sweets, tablets or the like in the manner indicated at Fig. 3. The arms 13 in moving down will cause the pawls 4 to slip over the ratchet teeth. During the following part of the revolution, the eccentric 9 effects the upward motion of the head beam 11, press-bar 8, and depending arms 13, accompanied with a receding motion of the blocks 14 and so causes the pawls 4 to revolve the ratchet 3 and bring the next edge of plate 1 to the top while at the same time discharging the string *b* of molded sweets or the like and drawing in a fresh length of prepared material.

I claim:

In a press for sweetmeats, tablets and the like, the combination with a frame and continuously rotated power shaft and eccentric, an intermittently revolving shaft, a polygonal plate and ratchets fast on this shaft, of a vertically moving press-bar and head-beam above said plate, lugs on said head beam and an eccentric strap hinged to said lugs and mounted on the eccentric, depending arms secured to the ends of the head-beam, pawls fixed to the ends of such arms and engaging said ratchets, slotted end-plates fixed to the press-bar, blocks retained in the slots of these end plates, and brackets for supporting the blocks, as and for the purpose set forth.

FRIEDRICH BÄUERLE.

Witnesses:

H. ALBERT BAUER,

ERNEST ENTENMANN.