Sept. 12, 1933. C. F. M. VAN BERKEL 1,926,828

GUIDE FOR SLICING MACHINES

Filed Jan. 20, 1928

Fig. 1.

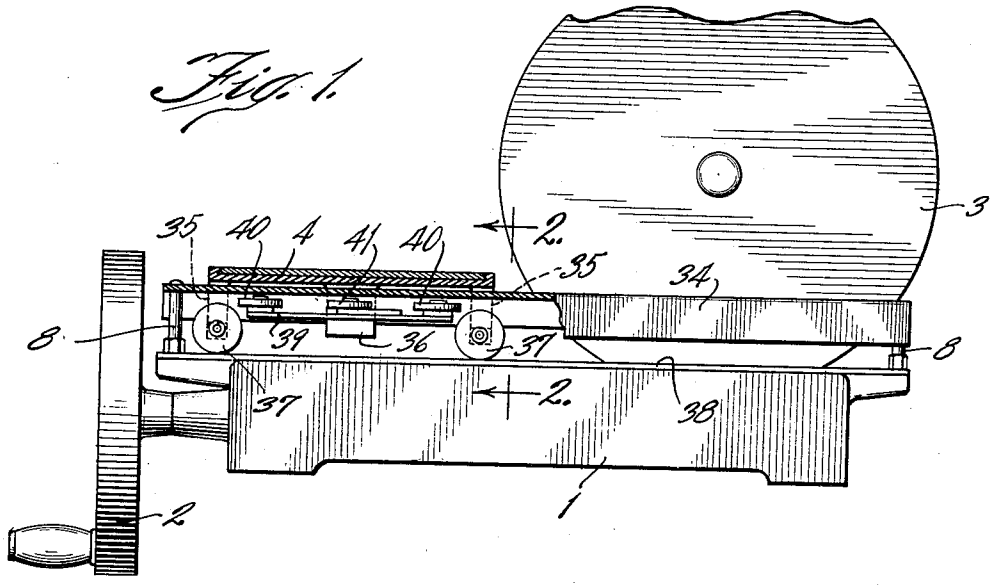


Fig. 3.

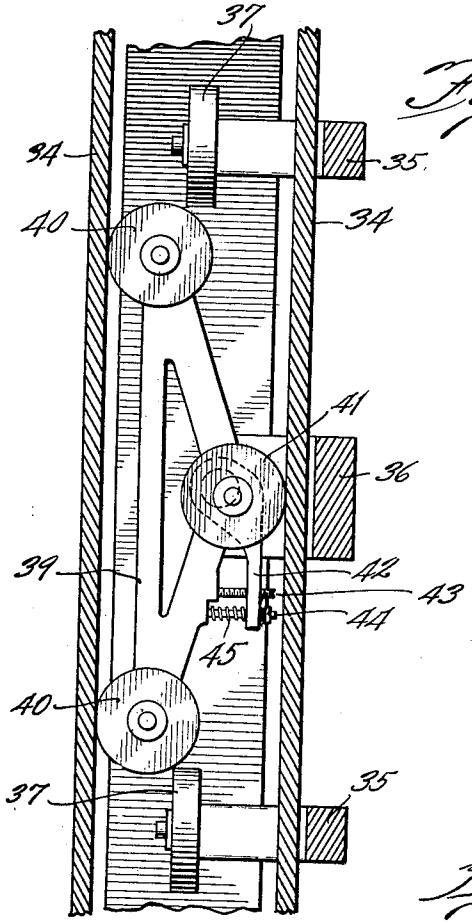
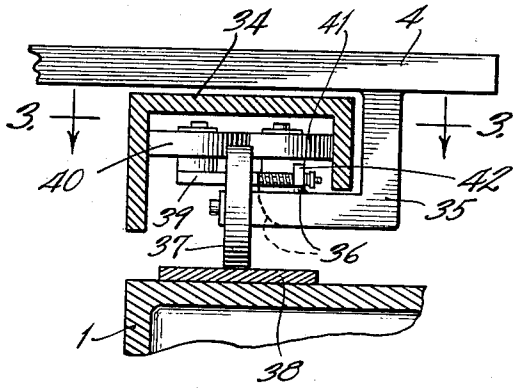


Fig. 2.



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GUIDE FOR SLICING MACHINES

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2 Claims. (Cl. 146—102)

This invention relates to means for guiding the reciprocating work supports of slicing machines and has for one of its objects the provision of mechanism of the class named which shall be of improved construction and operation.

A further object is to provide a guide having a cover for protecting the same.

Other objects and advantages will appear from the following description.

The invention is exemplified in the combination and arrangement of parts shown in the accompanying drawing and described in the following specification, and it is more particularly pointed out in the appended claims.

In the drawing—

Fig. 1 is an elevation, with parts in section, of a slicing machine having one embodiment of the present invention applied thereto;

Fig. 2 is a cross-section taken substantially along the line 2—2 of Fig. 1; and

Fig. 3 is a section taken substantially along the line 3—3 of Fig. 2.

In Fig. 1 the reference numeral 1 designates the base or supporting frame of a slicing machine having a usual hand wheel 2 and rotary slicing knife 3. A work supporting table has downwardly extending brackets 35 each carrying a roller 37 which travel on a guide plate 38 on machine frame 1. The work supporting table also carries the bracket 36 which extends downwardly from the table and inwardly beneath a cover 34 supported on posts 8 mounted on the slicing machine base. The bracket 36 carries a horizontal plate 39 on which rollers 40 are journaled on upright spindles in spaced relation to each other in position to engage the outer flange of the channel 34 to guide the table 4 against transverse movement. A third roller 41 is journaled on a lever 42 eccentrically pivoted on the plate 39. The roller 41 engages the inside flange of the channel 34. The position of the roller 41 may be adjusted by adjusting screws 43 and 44 and adjusting spring 45. The rollers 37 carry the weight of the table and the rollers 40 and 41 prevent lateral play, the spring holding the roller 41 yieldingly in engagement with the side of the channel-shaped cover and the adjusting screws 43 and 44 limit the amount of movement of the lever in opposite directions and consequently limit the movement of the roller.

While I have shown various forms of the invention, other embodiments within the spirit and scope of the invention will suggest themselves to those skilled in the art.

I claim:—

1. In a slicing machine, the combination with a guideway having a portion thereof acting as a cover for said guideway to prevent the accumulation of foreign material thereon, a table, a projection on said table carrying a plurality of rollers arranged within said guideway and urged in opposite directions against opposed vertical guiding surfaces on said guideway, and additional rollers engaging a guiding surface on said guideway for supporting the weight of said table as it is guided by said guideway and said rollers.

2. In a slicing machine, the combination with a table, of a stationary guide, a projection on said table extending into proximity with said guide, said guide having substantially vertically extending guide surfaces facing in opposite directions, rollers on said projection engaging different ones of said guide surfaces, yielding means for urging said rollers into engagement with their respective guide surfaces to prevent lateral displacement of said table during its reciprocation, and means for adjusting the means for yieldingly urging said rollers against their guide surfaces.

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