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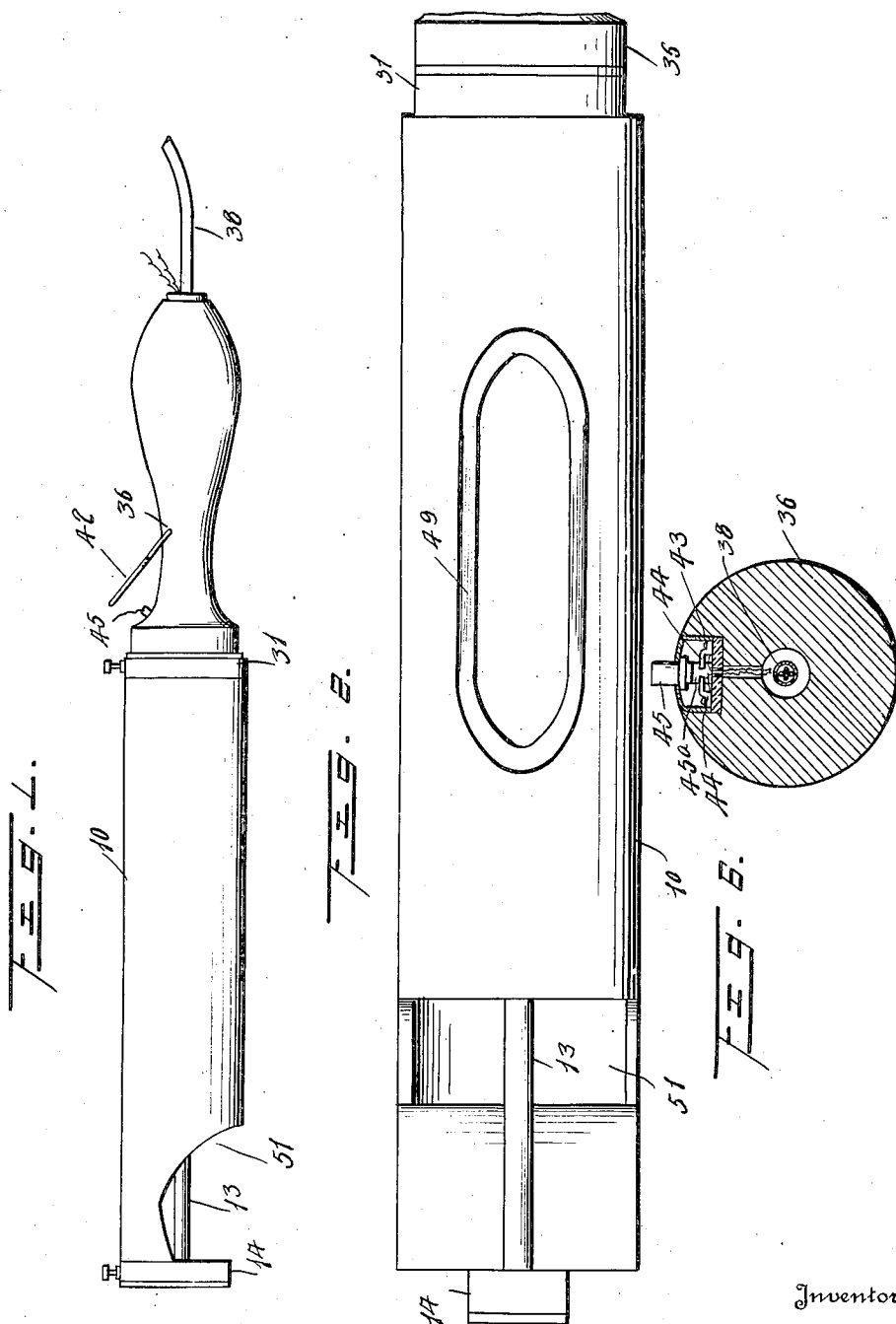
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S. J. McGINNIS

VEGETABLE PEELER

Filed Feb. 26, 1925

2 Sheets-Sheet 1



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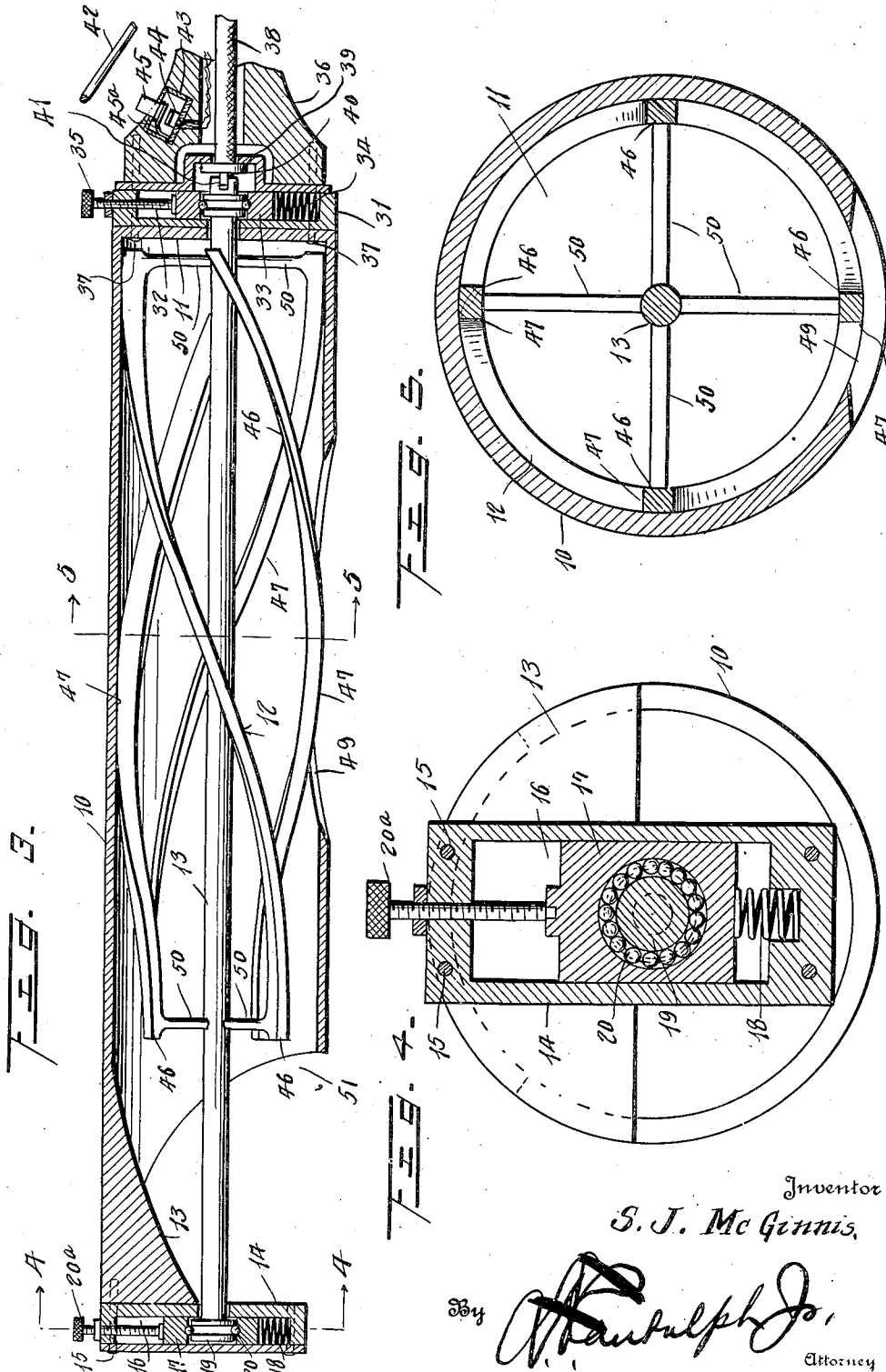
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2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE.

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VEGETABLE PEELER.

Application filed February 26, 1925. Serial No. 11,811.

This invention relates to an implement primarily adapted for peeling vegetables or the like by electricity very rapidly and expeditiously.

5 It is aimed to provide a construction wherein a cutter having spiral blades is rotatable within a casing, and the casing has an opening to facilitate engagement with the blades and an opening for discharge of
10 peelings.

Another object is to provide a construction wherein the parts are efficiently mounted and centered and have automatic control with respect to the source of electrical en-
15 ergy.

Another object is to provide a particular construction wherein the parts are connected together and the bearings on the cutter shaft are efficiently supported.

20 An operative embodiment is illustrated in accompanying drawings wherein:

Figure 1 is a side elevation partly broken away;

25 Figure 2 a bottom plan view with the handle broken away;

Figure 3 is a longitudinal sectional view with the handle broken away;

30 Figure 4 is a transverse sectional view taken on a plane indicated by the line 4-4 of Figure 3;

Figure 5 is a sectional view taken on a plane indicated by the line 5-5 of Figure 3; and

35 Figure 6 is a detail view illustrating the control switch.

In reducing the invention to practice, a preferably cylindrical casing is provided as at 10 and which is preferably made from aluminum although no limitation in this
40 respect is to be incurred. The casing is closed at one end by a wall 11 preferably integral therewith.

Located within the casing is a rotatable cutter generally designated 12. This cutter
45 has a shaft 13 which is journaled in the wall 11.

At one end, the casing 10 is preferably enlarged and provided with a solid portion as at 13^a against the end of which a frame
50 14 is detachably fitted or fastened by means of bolts or the like 15. Slidable in a rectangular slot 16 of said frame is a bearing 17 in the form of a follower. Shaft 13 at the adjacent end has a head 19 thereon and
55 bearing balls or the like 20 are interposed

between said head and the annular wall of the bearing follower 17. Said bearing follower 17 is urged upwardly by an expansive spring 18 and the follower is movable downwardly against the tension of that spring by
60 means of a screw rod 20^a bearing against the same and screw threaded in the frame 14. In this way, the shaft 13 may be effectively centered and maintained in proper position.

At the other end of the cylindrical casing
65 10, a bearing frame 31 similar to that at 14 is provided and it has a slot 32 corresponding to slot 16 and a follower bearing 33, spring 34 and screw 35, corresponding to the bearing 17, spring 19 and screw 20^a. At
70 this end of the casing, a suitable handle is provided as at 36 which for instance may be made of wood. Bolts or screws 37 pass through the wall 11, frame 31 and handle 36 and serve to secure the frame 31 and han-
75 dle rigidly in place.

A flexible shaft 38 extends from a suitable electric motor or the like longitudinally and centrally of the handle and at the forward end of the latter has a clutch head 39 pro-
80 vided with an extension 40 separably disposed in a slot 41 at the adjacent end of shaft 13. In this manner separable connection between the flexible shaft and the cutter shaft 13 is provided and these parts may
85 be assembled and inspected through the adjustment or removal of bolts or set screws 37.

A thumb loop 42 is mounted on handle 36.

The current to the electric motor (not shown) which drives shaft 38 may be con-
90 trolled in any suitable manner and preferably from a switch, preferably of the push button type, located on the handle 36. At this end, a recess 43 is provided in the handle and spaced contacts 44 in the motor cir-
95 cuit are mounted in said recess. A plunger 45 arranged for convenient operation by the thumb in loop 42 is provided to bridge said contacts 44, and 45^a designates a spring to hold plunger 45 out of engagement with
100 contacts 44 when released.

The knives or blades of the knife 12 preferably are in the form of bars 46 as shown spirally arranged and having cutting edges
105 as at 47. These knives successively engage vegetables or the like through the medium of a suitable sized slot as at 49. The blades at each end have spokes 50 connecting them to the shaft. It is to be noted that the
110 blades are of less length than the cylinder

and terminate short of a peeling discharge opening 51, which is relatively large and below the enlargement 13^a.

In use, potatoes, carrots or other vegetables to be peeled, are brought into alignment with the slot 49 and there successively engaged by the blades 46 which peel the same and eject the peelings through the opening 51. The current to operate the cutter is supplied from the motor through flexible shaft 38 and the latter drives the shaft 13 of the cutter.

Various changes may be resorted to pro-

vided they fall within the spirit and scope of the invention.

What is claimed is:—

A peeler of the class described having a casing, a rotatable cutter within said casing, said casing having an opening to facilitate engagement of the cutter with vegetables or the like, and a discharge opening adjacent one end, the blades of the rotatable cutter being spirally mounted to insure discharge of peelings through the discharge opening.

In testimony whereof I affix my signature.

SAMUEL J. MCGINNIS.