Nov. 30, 1948. J. D. PACOTTO 2,455,267

POTATO RICER

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Fig. 1.

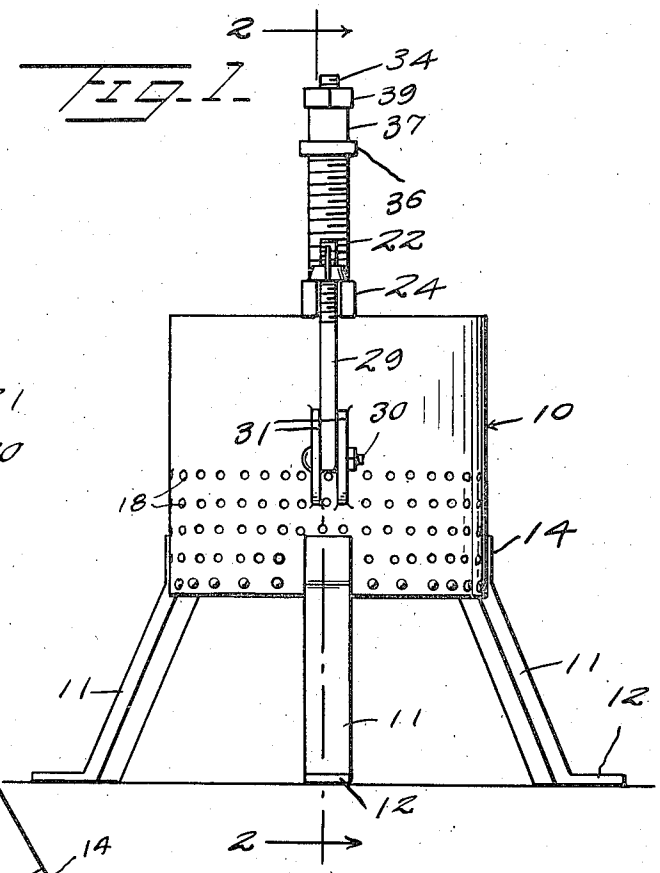



Fig. 6.

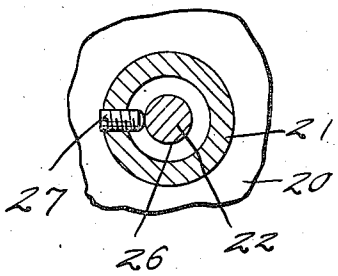
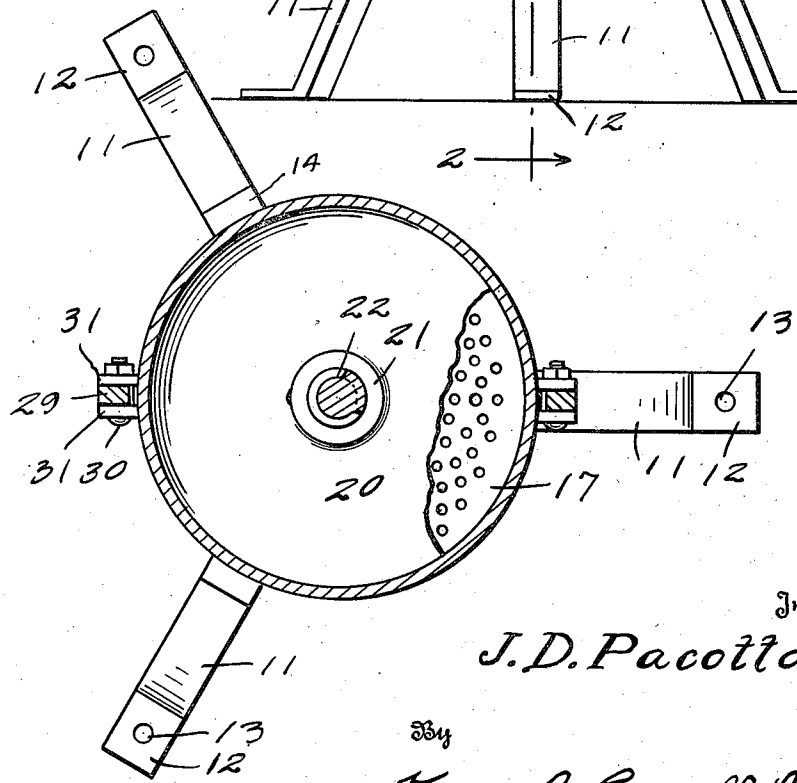



Fig. 3.




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Fig. 2.

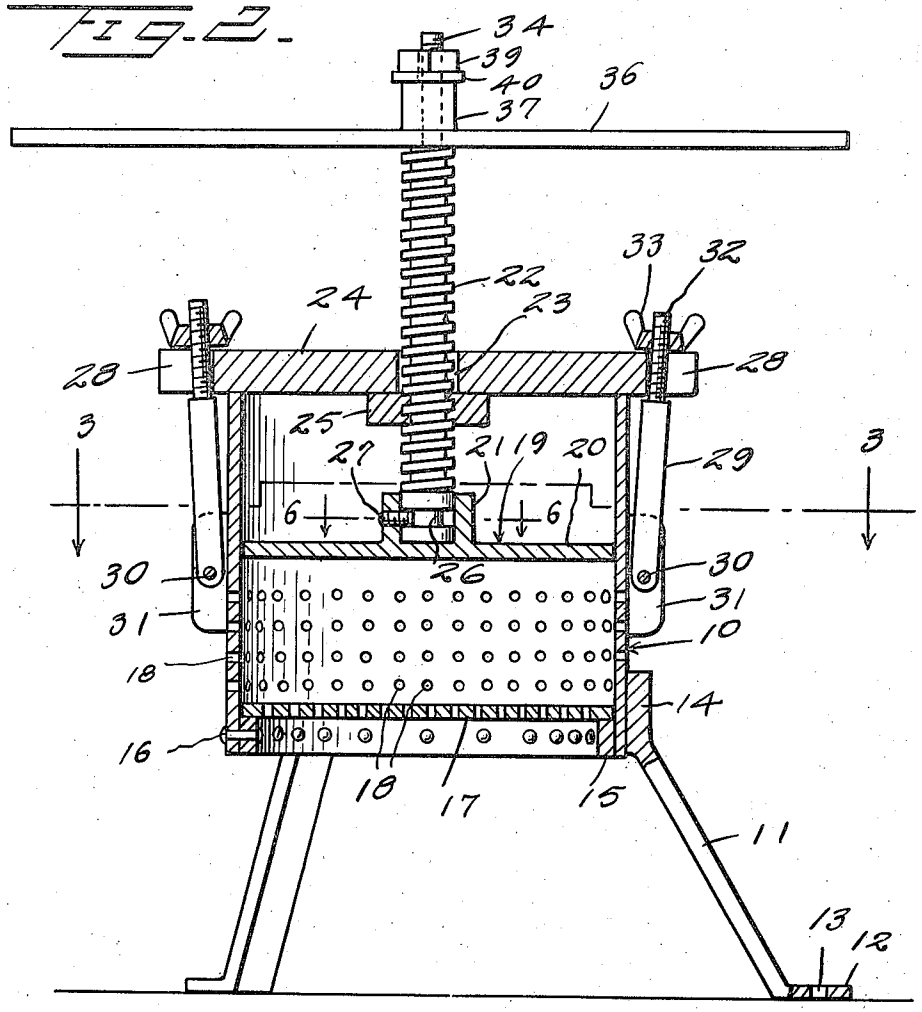



Fig. 4.

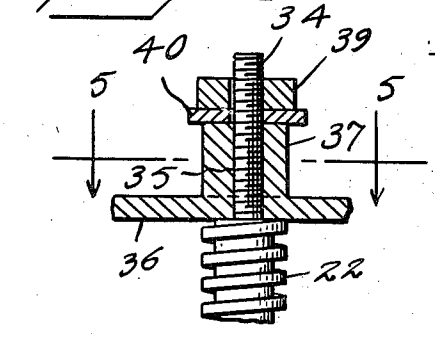
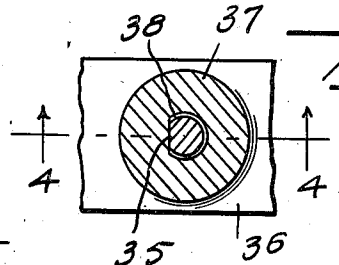



Fig. 5.




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# UNITED STATES PATENT OFFICE

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## POTATO RICER

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Application December 15, 1947, Serial No. 791,826

1 Claim. (Cl. 146—176)

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This invention relates to a potato ricer.

An object of this invention is to provide an improved potato ricer which includes a cylinder having a removable perforate bottom plate with a screw-shaft operated plunger for forcing the potato through the openings in the bottom plate.

Another object of this invention is to provide a device of this kind which is of simple construction so that it will withstand hard usage, and which can be readily taken apart for cleaning or the like.

To the foregoing objects, and others which may hereinafter more fully appear, the invention consists of the novel construction, combination and arrangement of parts, as will be more specifically referred to and illustrated in the accompanying drawings, but it is to be understood that changes, variations, and modifications may be resorted to which fall within the scope of the invention as claimed.

In the drawings:

Figure 1 is a detailed side elevation of a potato ricer constructed according to an embodiment of this invention.

Figure 2 is a vertical section taken substantially on the line 2—2 of Figure 1.

Figure 3 is a horizontal section taken on the line 3—3 of Figure 2.

Figure 4 is a fragmentary sectional view taken on the line 4—4 of Figure 5.

Figure 5 is a fragmentary sectional view taken on the line 5—5 of Figure 4.

Referring to the drawings, the numeral 10 designates a cylindrical body which has secured thereto a plurality of supporting legs 11. The legs 11 are disposed in downwardly divergent relation and are formed at their lower ends with outwardly extending feet 12 which may be formed with an opening 13 so that the device may be fixedly secured to a suitable support. The legs 11 at their upper ends are formed with vertically disposed upper portions 14 which are adapted to be secured as by welding or the like to the outer side of the cylindrical body 10.

The body 10 has fixed at the lower end portion thereof a ring 15 which is secured by fastening means 16 or the like. A perforated plate 17 is adapted to removably engage on the upper side of the ring 15 and the body 10 is formed with a plurality of openings 18 extending above the bottom plate 17. A plunger 19 which is formed of a disc 20 and a bushing 21 is movably disposed within the body 10 and is swivelly carried by the lower end of a screw-shaft 22. The shaft 22 extends through an opening 23 formed in a bar 24 and is

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threaded through a nut 25 which is fixed to the lower side of the bar 24. The lower end of the shaft 22 is formed with an annular groove 26 within which a screw 27 extending through the bushing 21 loosely engages. The bar 24 is formed with outwardly opening slots 28 at the opposite ends thereof and a pair of clamping members 29 which are pivotally mounted on a pivot 30 extending between a pair of ears 31 carried by the body 10 are provided at their upper ends with a threaded bolt member 32 which loosely engages in the slot 28. A wing nut 33 is threaded on the bolt 32 so that when the clamping bars 28 are in substantially upright position with the bolts 32 engaging in the slots 28 the nut carrying bar 24 will be firmly and tightly held on the upper end of the body 10.

The screw-shaft 22 at its upper end is formed with a reduced diameter threaded stud 34 which is formed with a flat side 35. A shaft operating bar 36 is formed with an upstanding bushing 37 which is provided with a flat bore portion 38 so that the stud 34 will be held against rotation with respect to the bushing 37. A nut 39 is threaded on the stud 34 and a washer 40 is interposed between the nut 39 and the upper end of the bushing 37.

In the use and operation of this device the potatoes are placed in the cylindrical body 10 with the plunger or pressure plate 19 removed from the body 10. The bar 24 is secured over the top of the cylinder 10 whereupon the shaft 22 is rotated to move the plunger 19 downwardly. As the plunger 19 moves downwardly the potatoes will be forced through the openings in the bottom plate 17 and some of the potatoes will be forced through the side openings 18. A suitable receptacle is placed beneath the device inside the legs 11 so as to catch the potatoes as they are forced through the openings in the plate 17 and the body 10.

I claim:

A potato ricer comprising a cylindrical body, downwardly divergent legs fixed to said body, a ring fixed in said body at the lower end thereof and forming a seat, a perforate plate seated on said ring, a cross bar extending over the upper end of said body and formed with outwardly opening slots at the opposite ends thereof pairs of diametrically opposed ears carried by said body, a bar pivotally mounted between each pair of ears, a threaded stud carried by each of said latter bars and engageable in a slot of said cross bar, a nut threaded on said stud for tightly securing said cross bar on the upper end of said body, a screw-

shaft threaded through said cross bar, a plunger slidable in said body, a reduced threaded stud extending from the upper end of said screw-shaft and formed with a flat side, an elongated shaft operating bar, a bushing carried by said operating bar formed with a bore having a flat side within which said latter stud is adapted to engage, a nut threaded on said latter stud for securing said operating bar on said screw-shaft, a bushing on said plunger, the lower end of said shaft being formed with an annular groove and engageable in said latter bushing and a set screw engaging through said latter bushing and loosely engaging in said groove rotatably securing said shaft on said plunger.

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