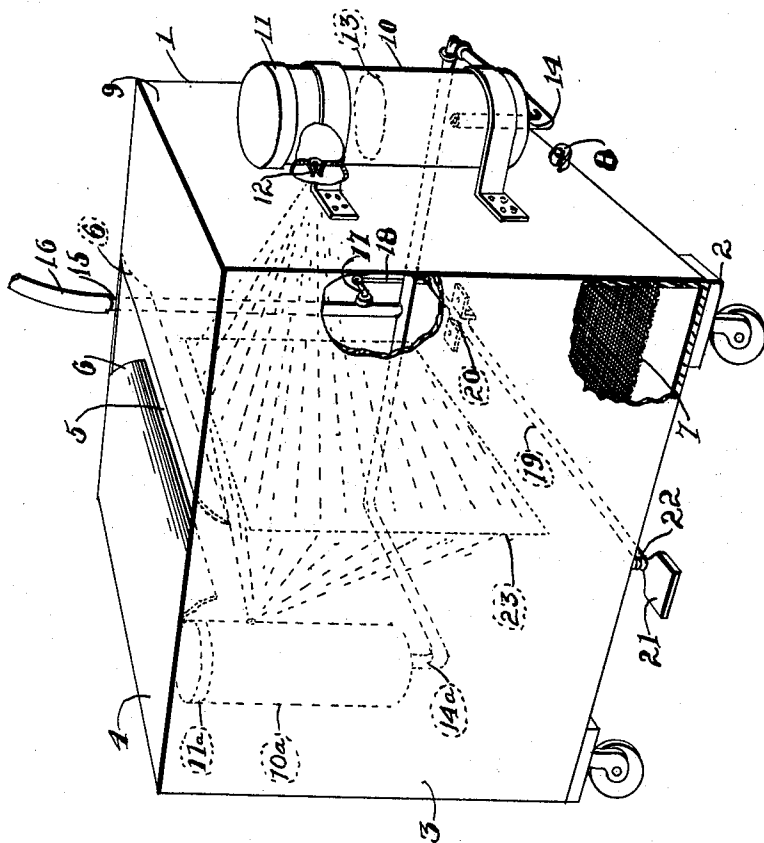


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E. C. STRICKLAND
CLOTHES STARCHING MACHINE

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CLOTHES-STARCHING MACHINE

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It is one object of the present invention to provide a machine whereby an article of clothing or other textile fabric may be quickly and easily impregnated with a solution of starch preparatory to ironing.

It is another object of the invention to provide a machine of the character indicated that will be simple in construction, economical to manufacture, of few parts, positive in action, and highly efficient in its practical application.

The drawing is a perspective illustration of a machine embodying my invention, parts being broken away.

Referring now more particularly to the drawing, I show at 1 a suitable spraying box or receptacle mounted on casters as 2 in order that it may be readily moved from place to place. The side herein referred to as the front of the receptacle being indicated by the reference 3, and the top by the numeral 4.

In the center of the top 4, and extending from front to back of the receptacle, is formed a slot as 5 having downwardly curved edges as shown at 6 whereby to effectually prevent the spraying material from being discharged through the slot when the device is in use.

Spaced a distance from the bottom of the receptacle is positioned a copper screen 7, and mounted in any suitable position in one side of the receptacle and below the screen 7 is a drain 8.

Centrally positioned on the end 9 of the receptacle is a vertically arranged container 10 fitted with a removable cap 11. Mounted in the side of the upper portion of the container and passing through the adjacent side of the receptacle is a nozzle 12. This nozzle is directed toward the center of the interior of receptacle 1 and may be of any suitable type for spraying a substance of the character indicated.

On the opposite end of the receptacle is mounted a similar container and nozzle, the similar parts being indicated by similar reference characters followed by the letter "a".

Communicating with the interior of the container 10 and below the level of the starch therein, indicated at 13, is a pipe 14. The pipe 14 extends around to the back of the re-

ceptacle where it connects with a feed pipe 15 mounted on receptacle 1, the feed pipe in turn communicating with a flexible conduit 16.

In the feed pipe 15 is mounted a valve 17 to which is pivotally connected a link 18, the lower end of the link 18 being pivotally connected to a lever 19. The lever 19 is pivotally mounted at 20 on the bottom of the receptacle 1, and extends to the forward side of the receptacle as shown where it is fitted with a foot pedal 21. A spring at 22 normally holds the pedal in a raised position.

When the device is ready for use the conduit 16 is connected to a suitable source of compressed air, and the containers 10—10^a are provided with a supply of a solution of starch of suitable consistency.

In using the device the operator suspends the article to be starched through the slot 5 as indicated in dotted lines at 23. While the article is in this position the operator operates the lever 19, thereby opening the valve 17 and discharging blasts of air through the containers 10—10^a and the solution therein, and out through the nozzles 12—12^a where it is discharged in a spray on both sides of the article 23. The excess solution which collects in the receptacle 1 passes through the screen 7 and may then be drained off by means of the drain at 8 and again placed in the containers. It will be understood, of course, that the air discharged into the body of liquid starch and thence through the same to the nozzle 12 and thence to the receptacle 1 will set up a turbulence in the liquid so violent that a portion of it will be atomized and carried along with the air to the nozzle 12, and discharged therefrom with the air as described.

It may now be readily seen that I have provided a device by means of which any article suspended in the receptacle as set forth may be quickly and simultaneously sprayed upon both sides, the device itself being strong, durable, efficient and free of mechanical complications.

It is to be understood, of course, that while I have herein shown and described but one specific embodiment of the invention, changes

in form, construction and method of operation may be made within the scope of the appended claim.

I claim.

- 5 A device of the character described comprising, a receptacle adapted to receive and encompass an article to be sprayed, and having an opening in the top through which said article may be inserted, spraying devices disposed on opposite sides of the opening to discharge upon opposite sides of an article placed within the receptacle, means for simultaneously rendering both of the spraying devices operative or inoperative, and guards for preventing the spray from discharging through the said opening.

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