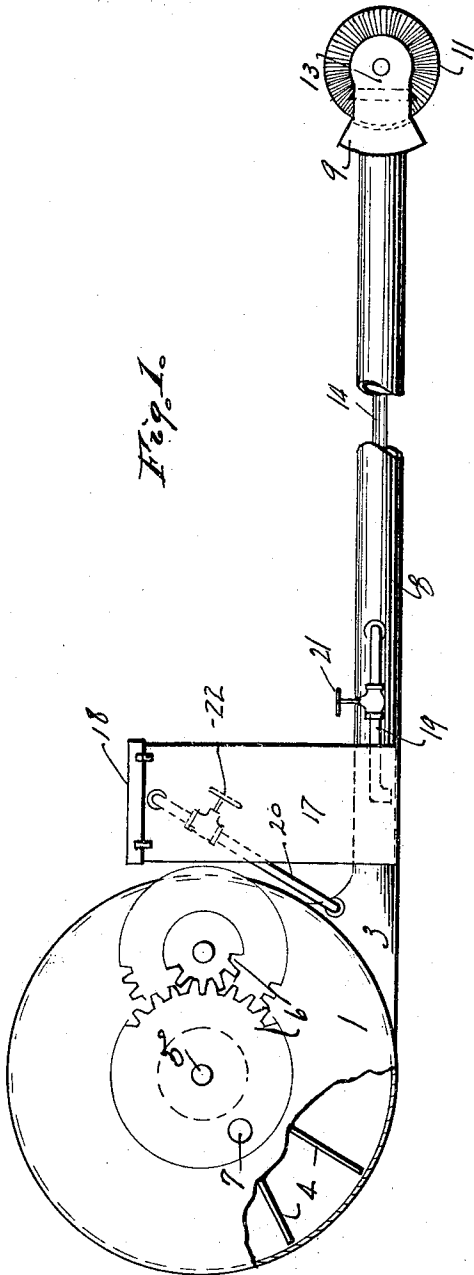


G. G. KAPOVICH, DEC'D.
A. M. KAPOVICH, ADMINISTRATOR.
PAINTING MACHINE.
APPLICATION FILED SEPT. 13, 1915.

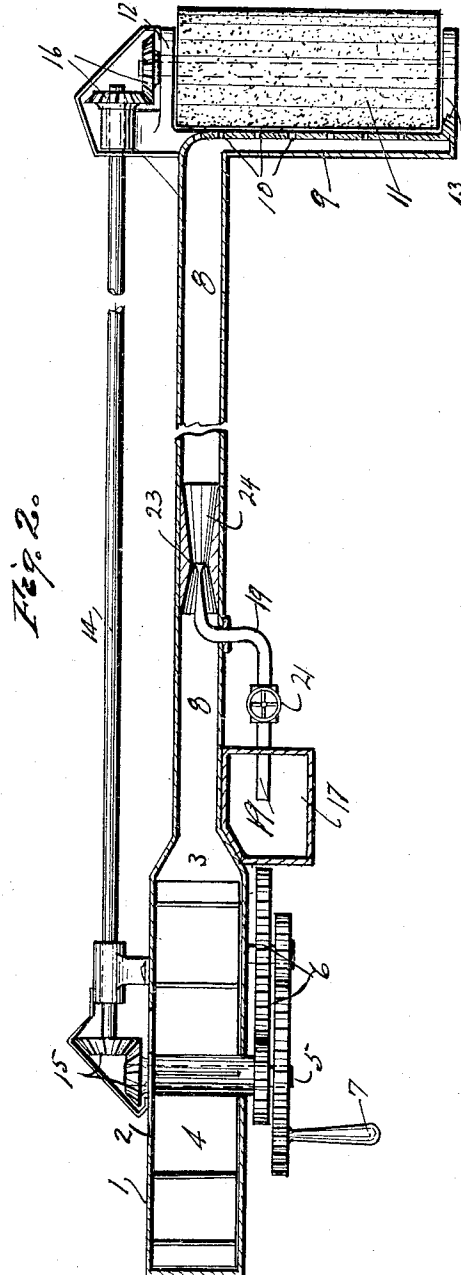
1,200,732.

Patented Oct. 10, 1916.



WITNESS

Frank H. Fowler



INVENTOR

Anton M. Kaporick-Administrator
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UNITED STATES PATENT OFFICE.

GEORGE G. KAPOVICH, DECEASED, LATE OF TACOMA, WASHINGTON, BY ANTON M. KAPOVICH, ADMINISTRATOR, OF FAIRFAX, WASHINGTON.

PAINTING-MACHINE.

1,200,732.

Specification of Letters Patent.

Patented Oct. 10, 1916.

Application filed September 13, 1915. Serial No. 50,531.

To all whom it may concern:

Be it known that GEORGE G. KAPOVICH, late of Tacoma, county of Pierce, and State of Washington, did invent certain new and useful Improvements in Painting-Machines, of which the following is a full, true, and exact specification.

The invention relates to improvements in painting machines and has for its principal object, to generally improve upon and simplify the construction of the device as shown in the previous application, Serial No. 865,157, in that a positive drive means for the paint brush is provided, suction jet and pressure means are employed to draw the paint from the paint container more readily.

It has been discovered that in the previous device the pressure of the air was not sufficient to operate the paint brush at a uniform speed on heavy work. Further, the paint would only flow from the container by gravity and therefore the apparatus must be held upright, while in the improved device it may be laid upon its side if desired. An additional end support is also provided for the brush.

Other objects will appear as the invention is more fully explained in the following specification, illustrated in the accompanying drawings and pointed out in the appended claims.

In the drawings, Figure 1 is a side elevation of the device with parts broken away. Fig. 2 is a sectional plan of Fig. 1.

Referring more particularly to the drawings, numeral 1 indicates a fan housing having a central inlet 2 and an outlet 3. A fan 4 is mounted upon a shaft 5 within housing 1. A train of gears 6 are arranged adjacent housing 1 and are adapted to drive the fan 4 when rotated manually by a handle 7. To the outlet 3, a tube 8 is secured, the outer end terminating in a segmental paint sprayer 9 which has perforations 10 adjacent a rotary brush 11. Brush bearings 12 and 13 at either end of said brush are secured to tube 8 and sprayer 9 respectively. The brush is driven from the fan shaft by means of a shaft 14 and two sets of co-operating bevel gears 15 and 16 connecting the fan shaft and shaft 14 and connecting the shaft 14 and the brush shaft respectively. A paint receptacle 17 is secured to

tube 8 and is provided with a tight cover 18, a paint suction line 19 and an air pressure line 20. Valves 21 and 22 are cut into lines 19 and 20 respectively. Suction line 19 is cut into tube 8 and is formed into a nozzle 23 which is one member of an ejector device of which a tapered tube 24 within tube 8 forms the other member. Air line 20 connects the air outlet 3 into the paint receptacle 17.

The operation of the device is as follows: The paint valve 21 is opened to admit paint into line 19 and nozzle 23 and the fan is at the same time set in motion by means of the handle 7 and gears 6. The air rushing past nozzle 23 at a high velocity creates a suction which assists in drawing the paint from the said nozzle and in intermixing it with the air. The starting of the fan also starts the brush 11 to revolving. The paint is finally blown out through perforations 10 onto brush 11. The device is held so the revolving brush is brought into contact with the surface to be painted. Air under pressure may be admitted above the surface of the paint in receptacle 17 through line 20 if desired, thereby creating a pressure above the paint which will tend to increase the flow through line 19. By means of valves 21 and 22, the proper amount of paint is permitted to flow into tube 8.

While applicant has shown a particular form of embodiment of the invention, applicant is aware that many minor changes therein will readily suggest themselves to others skilled in the art without departing from the spirit and scope of the invention, and applicant therefore desires to avoid being limited to the exact form shown and described except as pointed out in the appended claim.

Having described his invention, what applicant claims as new and desires to protect by Letters Patent, is—

In a device of the class described, the combination of a tubular casing, a blower secured to one end of said casing and adapted to force air under pressure through said casing, a segmental sprayer attached to and communicating with the other end of said tubular casing, a cylindrical brush revolubly mounted adjacent the said sprayer, means for positively rotating the said blower and brush in unison, a paint receptacle mounted

adjacent the said casing and having an air inlet pipe and a paint outlet pipe connecting therewith, suction producing means within the said tubular casing and connected to said outlet connection, whereby
5 liquid paint is sucked from the said receptacle mixed with air, forced through the said tubular casing through the sprayer and onto the revolving brush which may be held in contact with a surface to be painted.

ANTON M. KAPOVICH,

Administrator of the estate of George G. Kapovich, deceased.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."