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PAINT SPRAYING DEVICE

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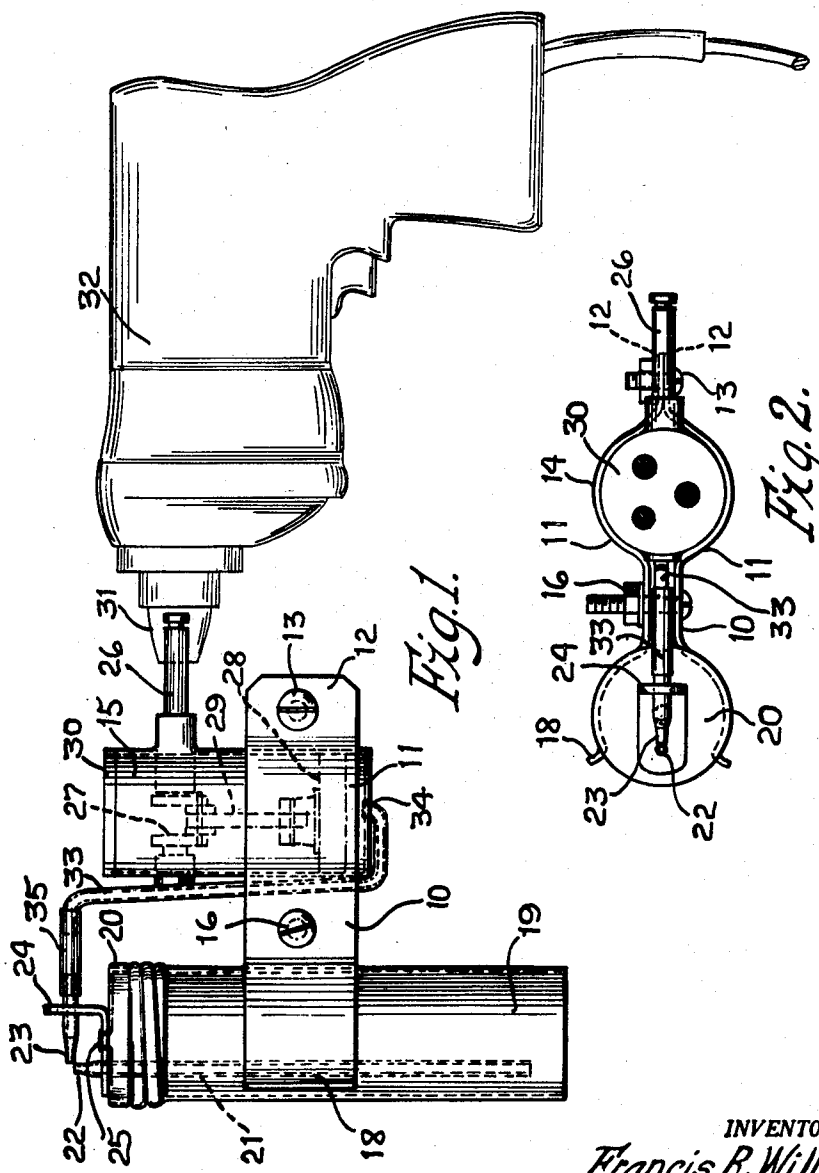

Fig. 1.

Fig. 2.

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PAINT SPRAYING DEVICE

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1 Claim. (Cl. 299—88)

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This invention relates to certain new and useful improvements in paint spraying devices and has for its principal object the provision of a device of this character which is of a construction and size such as will permit the device to be attached to a portable hand drill to be operated thereby and carried about thereby, thus constituting the device substantially portable.

Another and equally important object of the invention is the provision of a spraying device of the character hereinafter described which is especially designed and constructed for spraying small parts and other minute equipment.

Another object of the invention is to provide a spraying device of the character hereinafter described which will serve the purpose of meeting the demand for spraying operations where expensive spraying equipment is not needed or required.

Other objects will appear hereinafter.

The invention consists in the novel combination and arrangement of parts to be hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings showing the preferred form of construction, and in which:

Fig. 1 is a side elevational view of the invention showing the same in its relationship to an ordinary portable hand drill, the latter being shown in phantom;

Fig. 2 is a plan view of the invention.

Referring more particularly to the embodiment of the invention shown in the drawings, by which embodiment the several objects of this invention are accomplished, my improved spraying device comprises a clamp 10. This clamp 10 comprises confronting plates 11. Corresponding end portions 12 of these plates are connected together by a nut bearing bolt 13.

The plates 11 intermediate their end portions provide together a band or ring 14 which is adapted to clampingly embrace a pump or compressor 15. The compressor 15 is clamped between the plates by a nut bearing screw 16. The opposite end portions of the plates 11 are formed to provide an open clamp 18 which is adapted to clampingly embrace the supply tank or container 19. This container 19 provides a removable cap 20. Carried by this cap 20 and extending into the container 19 is a supply tube 21. This tube 21 terminates into a restricted end portion 22 in proximity to a nozzle 23. This nozzle 23 is supported by a bracket 24 secured to the cap 20 as at 25. The compressor 15 may be of any approved construction including an operating shaft 26 having a crank 27 to which is connected a piston

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28 by means of a connecting rod 29. The compressor 15 includes a removable perforated cap 30. The shaft 26 is especially adapted to be connected to the chuck 31 of any standard portable electric hand drill 32.

By the foregoing arrangement the spraying device is supported through the medium of the shaft 26 from the hand drill 32. The compressor 15 through the medium of the shaft 26 is connected to the chuck 31 of the hand drill and is driven thereby. Through the medium of the clamp 10 the container in turn is connected and supported from the compressor 15. The compressor 15 has connection with the nozzle 20 through the medium of a pipe 33 extending from the bottom of the compressor as at 34. This pipe 33 is detachably connected to the nozzle 23 by a flexible hose link 35.

To refill the container 19, the cap 20 may be removed therefrom with the nozzle 23 detached from the pipe 33.

For cleansing purposes the entire container 19 may be removed from the open clamp 18.

The several parts in their relation with respect to each other provide a device which is relatively small and light in character. This affords manipulating the device during spraying operation with ease and effectiveness by and through the operation of the hand drill 32 to which the device is connected and which serves as the means of portably supporting the spraying device.

From the foregoing description, it will be obvious that my spraying device is especially adapted for use in spraying small parts and upon occasions when the use of more expensive equipment is not required.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claim.

Having thus described my invention, what I claim as new and desire to protect by Letters Patent is:

A spraying device comprising a container having a supply tube, a nozzle carried by the container in close proximity with an end portion of the supply tube, a compressor in spaced parallel relation to the container and including an operating shaft, a conduit providing connection be-

tween the compressor and the nozzle, said operating shaft extending exteriorly of the compressor for connection to the chuck of an electrically operated hand drill, and a clamping structure connected to the compressor and having spaced clamping fingers attached to yieldably embrace the container for movably connecting the container to the compressor in said spaced parallel relation with respect to the compressor.

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