June 24, 1941. P. SHURHAY 2,246,640

CLEANING OR SWEEPING DEVICE

Filed Nov. 9, 1940

Fig. 1.

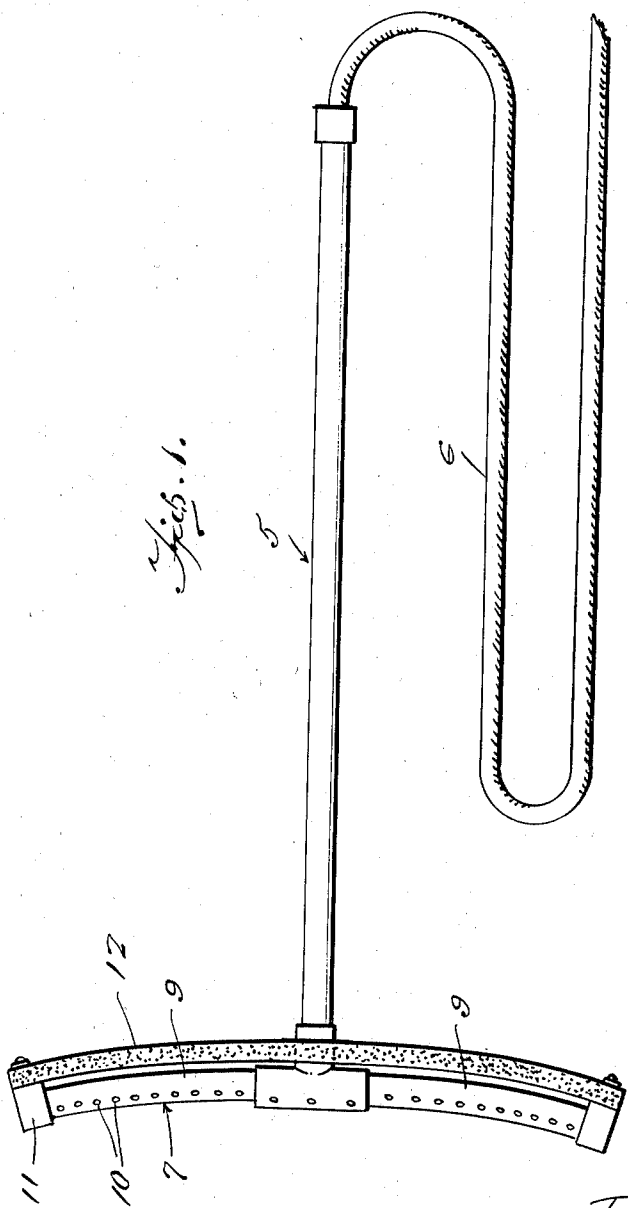
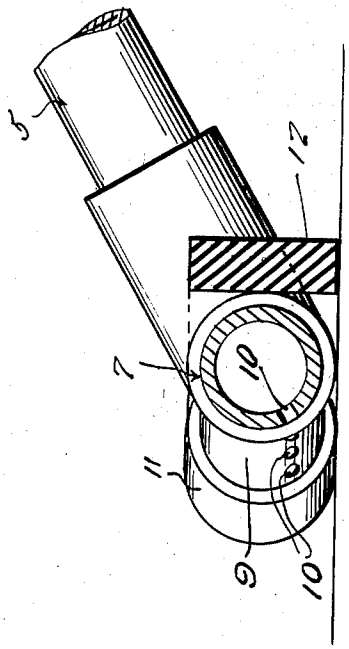


Fig. 2.



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CLEANING OR SWEEPING DEVICE

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1 Claim. (Cl. 15—128)

This invention relates to a cleaning or sweeping device especially adapted for the removal of grease, dirt and other foreign materials from floors and walls of buildings and from pavements such as found within and about garages, service stations and similar establishments, and has for the primary object the provision of a device of this character which will utilize water or air under pressure with a sweeping motion manually imparted thereto for efficiently removing materials of the kind specified and which cannot readily be removed through the use of an ordinary broom or mop.

With these and other objects in view as will become more apparent as the description proceeds, the invention consists in certain novel features of construction, combination and arrangement of parts as will be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawing, in which

Figure 1 is a top plan view illustrating a cleaning or sweeping device constructed in accordance with my invention.

Figure 2 is a fragmentary transverse sectional view illustrating the device.

Referring in detail to the drawing, the numeral 5 indicates a tubular handle of a selected length which has connected to one end thereof a hose 6. Said hose may be connected in any well known manner to a source of water or air which is under pressure. The other end of the handle is secured to a head 7 consisting of an intermediate member 8 and end members 9. The members 8 and 9 are provided with perforations 10 arranged in a row, as clearly shown in Figure 1. The intermediate member 8 is preferably of T shape and is connected to one end of the handle 5 and to the adjacent ends of the end members 9. The end members 9 each has an arcuate curvature thereto and so arranged as to curve forwardly of the intermediate member in the direction of the free end thereof.

End pieces 11 are mounted on the free ends of the end members 9 on which is removably mounted a sweeping or scraping strip 12 constructed of rubber or any other material suitable for the purpose.

In use, the strip 12 trails the head with a scraping action upon the surface, it being understood that the device is shoved backwardly and forwardly over the surface to be cleaned and that the water or air under pressure escapes from the head in a forward direction so as to loosen the foreign material on the surface while the strip 12 scrapes and brushes the material in a forward direction to permit the user to readily brush or sweep the material in a desired direction and into a selected pile if desired for gathering in any well known manner. If water under pressure is used in connection with this device, the strip 12 will act as a medium to shove the water along the surface being cleaned when the device is manually moved over the surface with a forward and rearward rubbing motion.

Through the use of a device of the construction shown and specified and in combination with water or air under pressure, a very efficient job can be carried out in the removal of foreign materials from a surface wherein the materials have become adhered thereto.

While I have shown and described the preferred embodiment of my invention, it will be understood that minor changes in construction, combination and arrangement of parts may be made without departing from the spirit and scope of the invention as claimed.

Having thus described my invention, what I claim is:

In a cleaning tool, a hollow head including a pair of pipe sections and a T coupling connecting said sections together in end to end relation and having a shank, a hollow handle fixed at one end in said shank and for admitting fluid under pressure therethrough to said head and sections, said head being provided with a front row of perforations extending from end to end thereof for discharging fluid from the head, said sections curving from the coupling forwardly of the same to concentrate the fluid discharged in front thereof, a pair of closure caps on the outer ends of the sections, respectively, and a scraper member comprising a strip of resilient material having its ends fixed to the caps, respectively, said member extending along the rear side of the head and under said shank and being attached at said ends solely to flex between ends for compensating movement over uneven surfaces, and said member having a broad bottom edge for sliding over said surfaces to force fluid forwardly of the same.

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