March 18, 1924. 1,487,167

J. KUMAGAWA

WASHING DEVICE

Filed Feb. 24, 1923 2 Sheets-Sheet 1

Fig. 1.

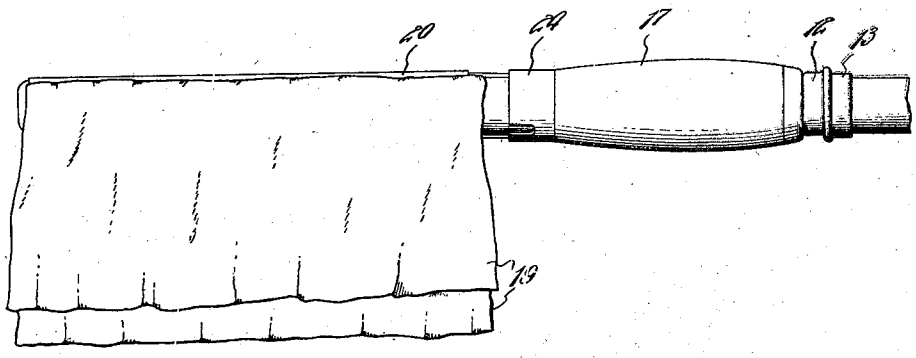
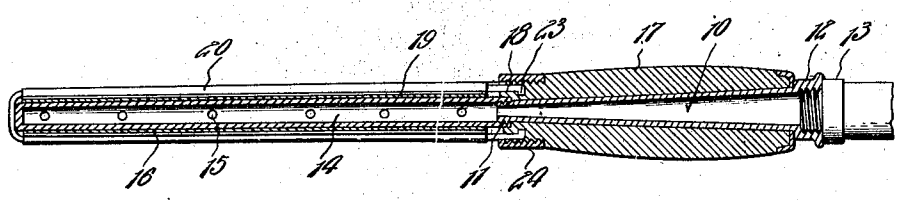


Fig. 2.



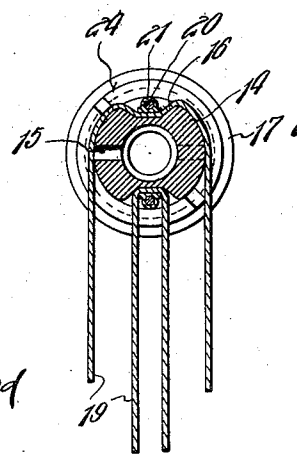


Fig. 4.

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Fig. 3.

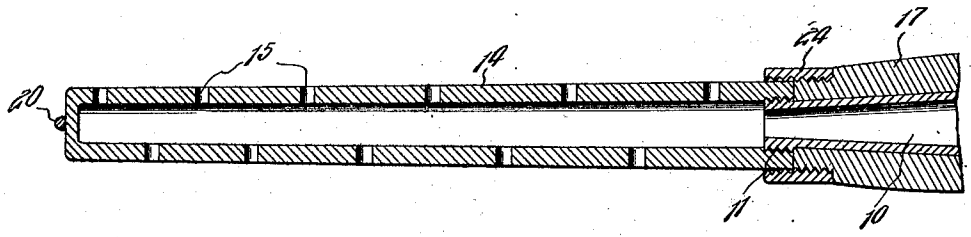


Fig. 5.

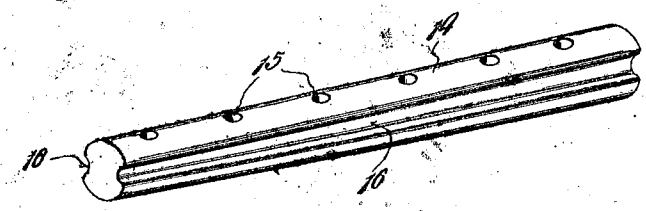
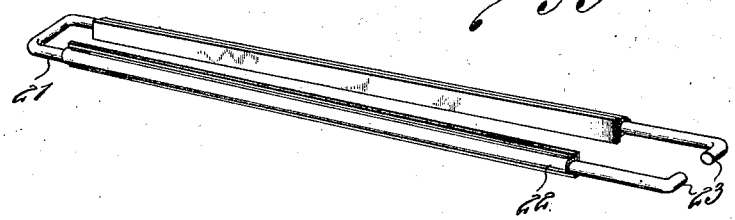


Fig. 6.



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UNITED STATES PATENT OFFICE.

JOHN KUMAGAWA, OF LOS ANGELES, CALIFORNIA.

WASHING DEVICE.

Application filed February 24, 1923. Serial No. 620,990.

To all whom it may concern:

Be it known that I, JOHN KUMAGAWA, a citizen of the Empire of Japan, residing at Los Angeles, in the county of Los Angeles and State of California, have invented new and useful Improvements in Washing Devices, of which the following is a specification.

This invention relates to the brushing and scrubbing art and has for its object the provision of a novel fountain swab for cleaning automobiles and the like, the device including a mop or swab of fabric mounted upon a perforated nozzle structure carried by a handle connected with a hose so that water will be fed to the mop or swab during its use.

An important object is the provision of a device of this character in which the mop member is detachable so that it may be replaced when worn.

Another object is the provision of novel means for detachably holding the mop in place.

An additional object is the provision of a device of this character which will be simple and inexpensive in manufacture, highly efficient in use, positive in action, durable in service and a general improvement in the art.

With the above and other objects and advantages in view the invention consists in the details of construction to be hereinafter more fully described and claimed and illustrated in the accompanying drawings, in which:

Figure 1 is a side elevation of the device,

Figure 2 is a longitudinal section,

Figure 3 is a longitudinal section at right angles to Figure 2,

Figure 4 is a cross section,

Figure 5 is a detail perspective view of the nozzle member disengaged from the handle and with the mop removed,

Figure 6 is a perspective view of the mop holder clamp.

Referring more particularly to the drawings the numeral 10 desginates an elongated tubular conduit which has one end threaded as shown at 11 and its other end enlarged and formed as a coupling 12 for engagement thereon of the terminal element 13 of a suitable hose. Screwed upon the threaded end 11 is an elongated nozzle member 14 which is of pipe like formation and provided at opposite sides with a plurality of holes 15. The opposite sides of this pipe member, between the series of holes are formed with inwardly pressed portions 16 which constitute longitudinally extending grooves.

Engaged upon the conduit 10 is a handle 17 which has one end externally threaded and formed with recesses 18 which extend to the outer periphery.

In conjunction with the above described parts, I employ a mop or swab which consists of two pieces or bunches 19 of fabric or the like, which are held in place upon the pipe member 14 by means of a U-shaped clamp 20 formed of resilient wire or a rod of resilient material. Engaged upon the arms of this clamp are bearing members 21 formed with tubular portions 22 receiving the arms of the clamp, these bearing portions engaging the swab members and holding them within the grooves 16 in the pipe member 14. The free ends of the arms of the clamp 20 are in turned as shown at 23 and are engaged within the recesses 18 in the handle. Casual disengagement of the clamp from the handle is prevented by means of a ring or ferrule 24 screwed onto the handle and covering the free ends of the arms of the clamp.

In the use of the device it will be seen that water passing from the hose 13 will enter the nozzle 10 and pass into the pipe member 14, from which it will be forced in jets through the holes 15. This water naturally keeps the swab members thoroughly saturated so that as the swab members are rubbed over an automobile or other vehicle or over horses, cattle or any other object to be cleaned, a thorough washing and scrubbing action will be produced. When in the course of time, the swab members become worn out they may of course be readily replaced by removing the ferrule 24, disengaging the free ends of the arms of the clamp from the handle, and removing the clamp and swabs from the member 14. After new swabs are placed in position the parts are of course connected as before.

From the foregoing description and a study of the drawings it will be apparent that I have thus provided a simply constructed and consequently inexpensive fountain washing device which will be highly efficient for the purpose specified and for any

other purpose and which on account of its simplicity is not likely to get out of order.

While I have shown and described the preferred embodiment of the invention it is of course to be understood that I reserve the right to make such changes in the form, construction and arrangement of parts as will not depart from the spirit of the invention or the scope of the subjoined claims.

Having thus described my invention I claim:

1. A fountain washing device comprising a tubular conduit adapted for connection with a hose, a pipe member connected with said conduit and provided with perforations, a pair of swabs, and clamping means for holding said swabs upon said pipe member, said pipe member being formed with longitudinal pressed in portions located between the series of holes for receiving the swabs and the clamping means therefor.

2. A device of the character described comprising a supporting conduit adapted for connection with a hose, a pipe member detachably connected with said conduit and formed with a plurality of perforations and with inwardly pressed portions located between the series of perforations to define grooves, a handle on said conduit, a pair of swabs disposed against said pipe member, and a U-shaped clamping member engaging said swabs for holding them in said grooves, the clamping member being detachably connected with the handle.

3. A device of the character described comprising a supporting conduit adapted for connection with a hose, a pipe member detachably connected with said conduit and formed with a plurality of perforations and with inwardly pressed portions located between the series of perforations to define grooves, a handle on said conduit, a pair of swabs disposed against said pipe member, and a U-shaped clamping member engaging said swabs for holding them in said grooves, the clamping member being detachably connected with the handle, said connection consisting of a ferrule screwed onto the handle, said handle being formed with L-shaped recesses extending to the outer periphery thereof, and in turned lugs on the free ends of the arms of the clamping member engaged within said recesses.

In testimony whereof I affix my signature.

JOHN KUMAGAWA.