O. NEUFELD.

AUTOMOBILE BRUSH.

APPLICATION FILED APR. 17, 1915.

1,151,818. Patented Aug. 31, 1915.

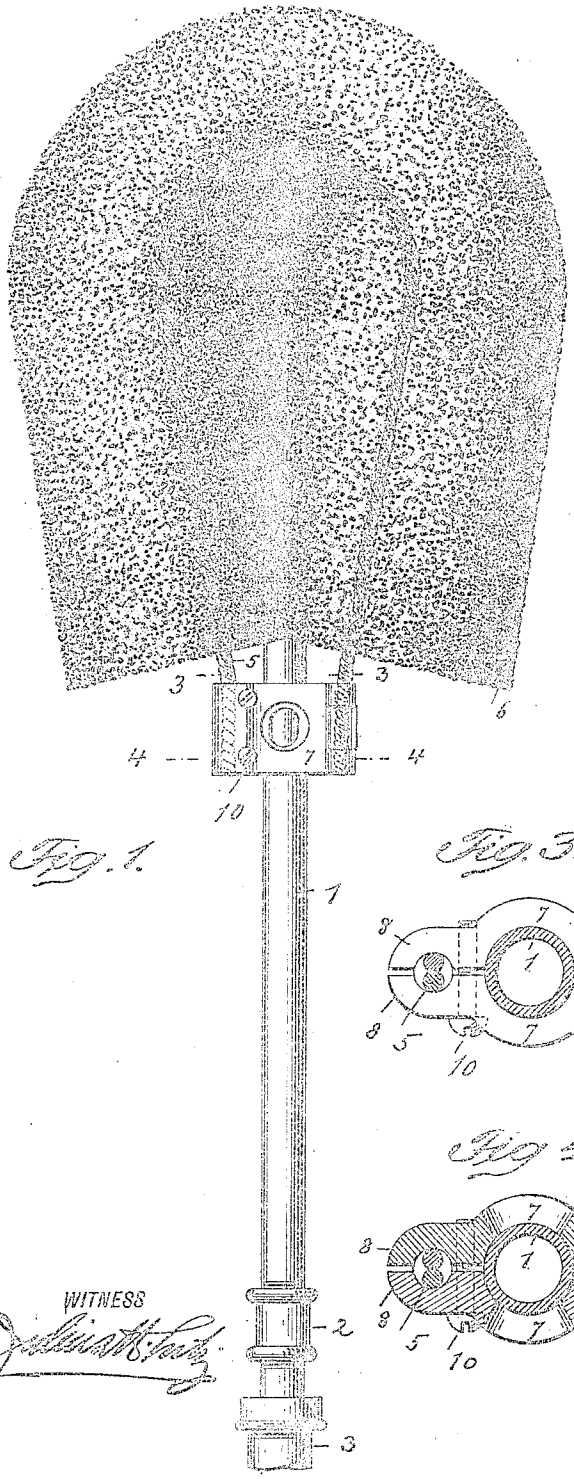


Fig. 1.

Fig. 3.

Fig. 4.

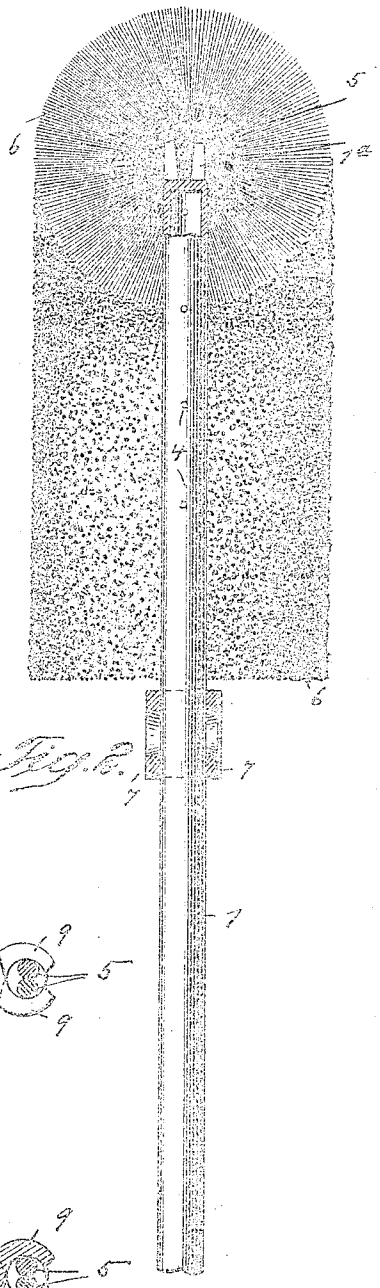


Fig. 2.

WITNESS

INVENTOR

Oscar Neufeld

BY

ATTORNEYS.

UNITED STATES PATENT OFFICE.

OSCAR NEUFELD, OF UNION, NEW JERSEY.

AUTOMOBILE-BRUSH.

1,151,813. Specification of Letters Patent. Patented Aug. 31, 1915.

Application filed April 17, 1915. Serial No. 21,992.

To all whom it may concern:

Be it known that I, OSCAR NEUFELD, a citizen of the United States, and a resident of the town of Union, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Automobile-Brushes, of which the following is a specification.

This invention relates to a brush more particularly designed for cleaning automobile bodies in a quick and simple manner and without subjecting the same to the liability of being scratched or otherwise injured.

In the accompanying drawing: Figure 1 is a side elevation of a brush embodying my invention; Fig. 2 an end view partly in section thereof; Fig. 3 an enlarged section on line 3—3 Fig. 1 and Fig. 4 an enlarged section on line 4—4 Fig. 1.

The device comprises essentially a pipe 1, adapted to be attached at its lower end by coupling 2 to the nozzle 3 of a hose, while it is closed at its upper end. The upper portion of pipe 1, is provided with a plurality of minute perforations 4, while its lower portion is imperforate. The upper perforated portion of the pipe is straddled by a substantially U-shaped brush, having a flexible core 5 which is formed of a number of intertwisted wires. The large and soft bristles 6 of the brush are at their center engaged by the convolutes of the wires so that they are in this way secured to the core without the use of additional attaching means which would be apt to soften or dissolve under the influence of moisture. At its top the core is attached to pipe 1, by means of a fork or keeper 1^a which extends upwardly from the pipe and straddles core 5. At its bottom, the two shanks of the core are secured to pipe 1, in such a manner that the brush may be readily detached and replaced when worn. To this effect, pipe 1, is grasped at a point below its perforated section, by a clasp composed of two members 7, having concaved inner faces adapted to snugly engage the pipe. Members 7, are provided at one of their ends with semi-tubular projections 8, that engage one of the core-shanks, while they are provided at their other end, with oppositely disposed interlocking hooks 9 that engage the other shank. Screws 10 passing through the clasp members 7, tighten the hold of the latter upon the pipe and also upon the core, so that in this way the parts become securely connected. On slacking the screws, the clasp may be set farther up or down along the pipe, so that in this way the brush will become more or less contracted or elongated and its pliability is correspondingly increased or diminished. On withdrawing the screws the device may be dismembered, and a new or clean brush may be installed.

It will be seen that by the construction described, small jets of water are thrown through the perforations 4 upon the brush, so that as the brush is passed over the automobile body, the latter is washed and cleaned in a simple and handy manner.

I claim:

1. An automobile brush comprising a water pipe having an apertured section, a substantially U-shaped brush straddling said section and having a core, a clasp comprising two members having concaved pipe-grasping inner faces, semi-tubular projections that engage one of the core-ends and a pair of interlocking hooks that engage the other core-end, and means for detachably securing the clasp-members to each other.

2. An automobile brush comprising a water pipe having an apertured section, a substantially U-shaped brush straddling said section and having a core, a fork at the end of the pipe that straddles the core, and a clasp that is adjustable along the pipe and engages the core.

OSCAR NEUFELD.