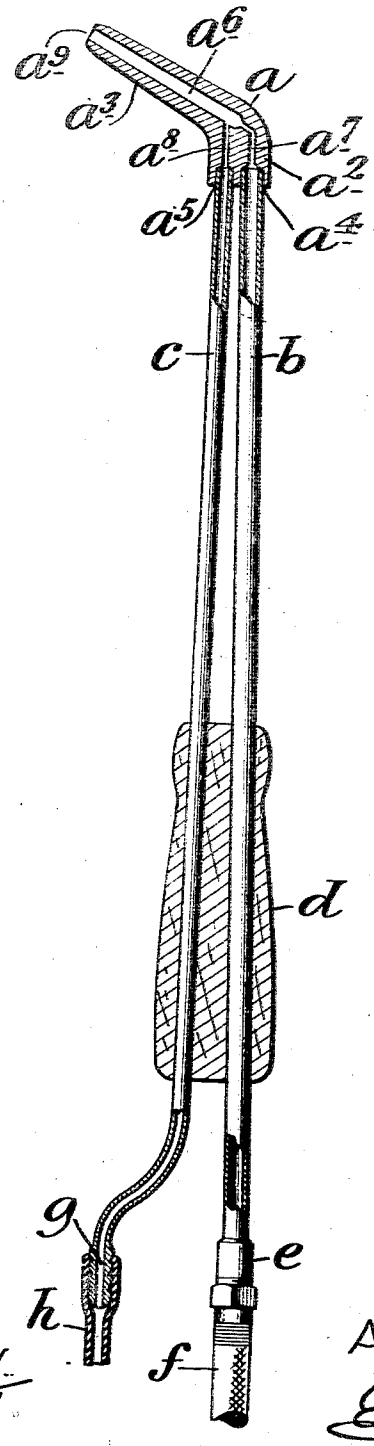
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MOTOR CLEANER.

APPLICATION FILED JAN. 22, 1912.

1,067,891.

Patented July 22, 1913.



WITNESSES

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MOTOR-CLEANER.

1,067,891. Specification of Letters Patent. Patented July 22, 1913.

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To all whom it may concern:

Be it known that I, ALBERT F. WAGNER, a citizen of the United States, and residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Motor-Cleaners, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to a device for use in cleaning complicated machinery, and especially for cleaning automobile engines or motors, and the object thereof is to provide a device of this class which is simple in construction and operation, and which may be easily manipulated to clean the outer surface of all parts of an apparatus of the class specified without disconnecting said parts; and with this and other objects in view the invention consists in a device of the class specified constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification of which the accompanying drawing forms a part, and in which the separate parts of my improvement are designated by suitable reference characters, said drawing being a sectional side view of my improved cleaning device.

In the practice of my invention I provide a nozzle head a comprising a body portion a^2, and a nozzle a^3 which projects at an angle to said body portion, the angle of the nozzle to the body portion being preferably an obtuse angle. The body portion a^2 is provided with two tube sockets a^4 and a^5 adapted to receive respectively tubes b and c, and the nozzle a^3 is provided with a comparatively large longitudinal bore a^6 having a reduced angle portion a^7 which communicates with the tube socket a^4, and a small supplemental bore a^8 forms a communication between the tube socket a^5 and the bore a^6 of the nozzle a^3. The tubes b and c may be screwed into the sockets a^4 and a^5 or be secured therein in any desired manner, and the tube b is larger than the tube c, and mounted on said tubes is a handle d by which the device may be manipulated. The outer end of the tube b is provided, in the form of construction shown, with a coupling e with which a flexible hose or tube f may be connected, and the outer end of the tube c is provided with a head g with which a flexible hose or tube h may be connected, and the outer ends of the tubes b and c are preferably separated to facilitate the connection of the hose or tubes f and h therewith. The nozzle a^3 is provided with a spray or vaporizing outlet a^9 of any desired form of construction, and in practice the flexible tube or hose f is connected with a tank containing air under pressure, or with any suitable air compressing device, and the tube or hose h is connected with a tank containing petroleum or other suitable oil, and when the device is in operation there is a strong discharge of vaporized oil and air from the nozzle a^3 which may be directed onto, or into, any part of an automobile engine, or other apparatus for the purpose of cleaning the same, the said device in this operation being manipulated and the direction of the discharge controlled by means of the handle d.

In cleaning automobile engines or other apparatus, and especially an apparatus consisting of a large number of small parts, it is very hard, especially with the devices usually employed for this purpose, to so manipulate the same as to clean out the corners, connections, angles, and other parts of the apparatus, but with my improved cleaning device, which operates as a blast cleaner, all of said parts can be quickly, easily, and completely cleaned by directing the blast of air and oil thereinto or thereon. It must be understood that only a small amount of oil is used in the blast, and the amount so used is regulated by the size of the bore a^8 in the body of the head a. It will be understood that the pipes b and c may be provided with valves if desired, or valves may be placed adjacent to the tanks or other source of supply with which the pipes or hose f and h are connected when the device is in use.

Having fully described my invention what I claim as new and desire to secure by Letters Patent is:—

In a spraying device for cleaning motors, the combination with a pair of tubes arranged side by side, a handle provided with apertures therethrough engaging said tubes, an integral spraying head connected to said tubes at one end of the same, said head having a discharge passage, sockets to receive said tubes and reduced passages extending from said sockets to said discharge passage, one of said reduced passages discharging into the discharge passage in advance of the

other, the other ends of said tubes being provided with means for connecting them respectively to supplies of gasolene, and compressed air, the tubes being held in fixed relation by the integral head and the handle.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 19th day of January 1912.

ALBERT F. WAGNER.

Witnesses:
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A. R. APPLEMAN.