

A. SCHUM.
PNEUMATIC TOOL.
APPLICATION FILED NOV. 14, 1908.

934,096.

Patented Sept. 14, 1909.

Fig. 1.

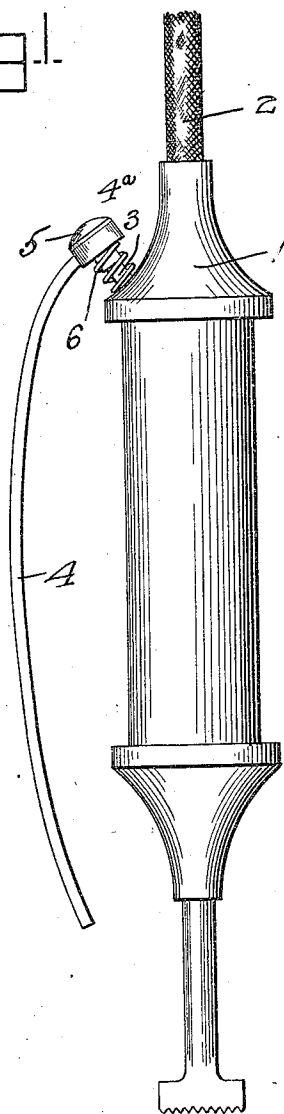


Fig. 2.

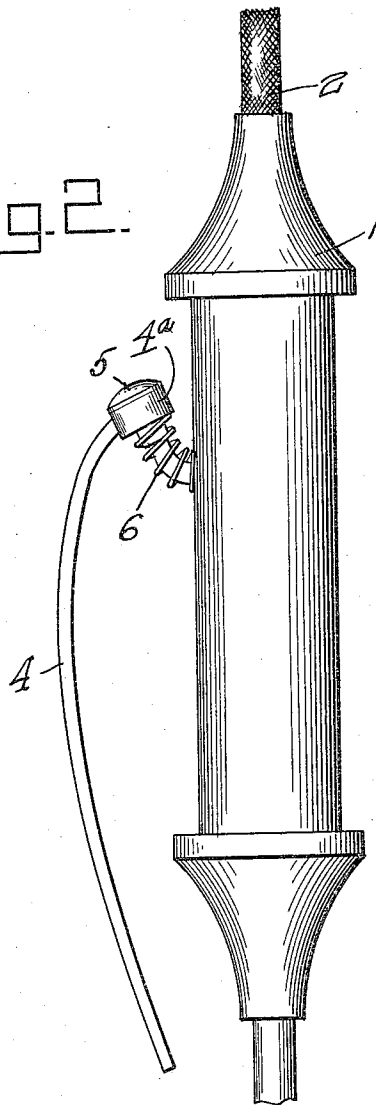
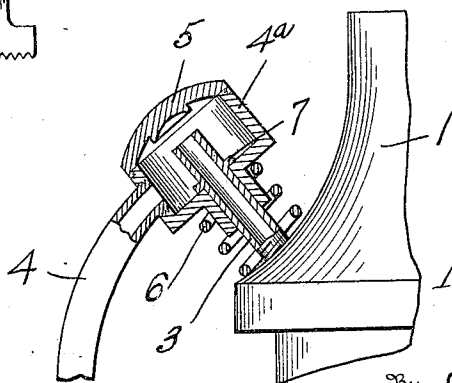


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

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PNEUMATIC TOOL.

Specification of Letters Patent. Patented Sept. 14, 1909.

934,096.

Application filed November 14, 1908. Serial No. 462,677.

To all whom it may concern:

Be it known that I, ANDREW SCHUM, a citizen of the United States, residing at Mariah Hill, in the county of Spencer and State of Indiana, have invented a new and useful Pneumatic Tool; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to a pneumatic tool and has for its object to provide an improved device designed especially for dressing stone.

Another object of the invention is to provide a device of this character in which the compressed air, that is exhausted in operating the device, can be used for blowing the dust off of the stone as the same is being dressed.

With these and other objects, in view, the invention consists in the novel construction and arrangement of parts hereinafter described and shown and particularly pointed out in the appended claim.

In the drawings, Figure 1 is a side elevation of a stone dressing tool having my invention applied thereto. Fig. 2 is a similar view of a modified form of the invention. Fig. 3 is an enlarged detail sectional view of the device as shown in Fig. 1.

Referring to the drawings, 1 designates the upper portion of a stone dressing tool having a tube 2 through which the compressed air passes into said tool and the exhausted air escapes out of a short tube 3 which is connected with the upper portion of the tool 1 by means of screw threads. After the air passes through the tube 3, it is conducted downwardly by a second tube 4 which conducts the exhausted air down to the stone and thus blows the dust away. The tube 3 is provided with a casing 4^a into which the air escapes and passes from the casing 4^a into the tube 4. When it is desired to cut off the exhausted air, the cap 5, which is connected to the casing 4^a by screw threads, is pressed inwardly until it con-

tacts with the outer end of the tube 3, which as will be readily seen, shuts off the further discharge of the exhausted air thereby stopping the reciprocation of the drill. The stopping of the drill shuts off the supply of compressed air through the tube 2 in the usual manner, which forms no part of the present invention. The casing 4^a is normally held outward and upward by the spring 6, and after each downward movement of the drill, the used compressed air, which exhausts in the usual manner passes through the tube 3, and thence through the tube 4, in order to blow the dust from that which is being drilled. The structure of the tool which allows the air to exhaust after each downward movement of the drill forms no part of the present invention, therefore it is not illustrated. After the utilized air is exhausted by means of this structure (not shown), it passes through the tube 3.

The outlet of the tube 3 is kept normally opened by means of a spring 6 which pushes the casing 4^a outwardly. The periphery of the tube 3 is provided with a shoulder 7 which limits the outward movement of the casing 4^a.

What is claimed is:—

In a pneumatic tool a casing having an offset tube 3 provided with an annular shoulder 7, said tube 3 having means of connection with said casing, a casing 4^a slidably mounted upon the tube 3 having a cap threaded thereto acting as a valve, to close the outlet end of the tube 3, a spring surrounding portions of the tube 3 and the casing 4^a, in order to normally hold the said casing 4^a in contact with said shoulder, and means for conducting the exhausted air adjacent to the drill of the pneumatic tool, as and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ANDREW SCHUM.

Witnesses:

FRANK MEYER,
WILLIAM HEILERS.