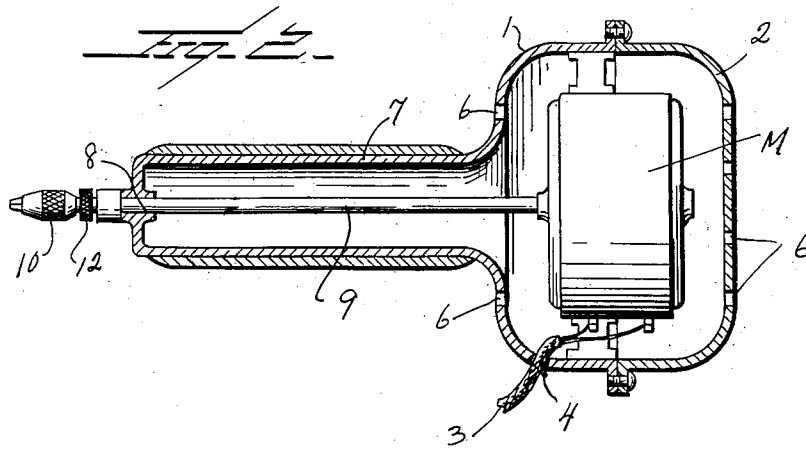
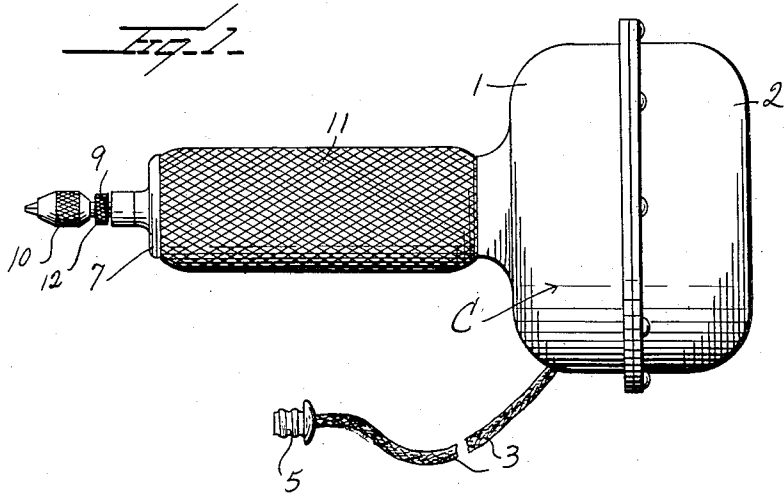


P. F. GLENN.
HOUSEHOLD ARTICLE.
APPLICATION FILED MAR. 3, 1920.

1,397,249.

Patented Nov. 15, 1921.



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HOUSEHOLD ARTICLE.

1,397,249.

Specification of Letters Patent.

Patented Nov. 15, 1921.

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To all whom it may concern:

Be it known that I, PETER F. GLENN, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Household Articles, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to certain improvements in household articles, and it is an object of the invention to provide a portable device including a driven shaft provided with means whereby devices or elements may be engaged or coupled thereto to facilitate the cleaning and polishing of silver, whipping cream, beating eggs, sharpening knives, cleaning and polishing nails, or for use in other operations incident to the work in a household or in connection with the toilet.

Another object of the invention is to provide a novel and improved device of this general character embodying a casing provided with a part serving as a hand grasp and wherein a driven shaft is rotatably supported by said casing and driven by a motor contained within the casing.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved device whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein:

Figure 1 is a view in elevation of a household article constructed in accordance with an embodiment of my invention; and

Fig. 2 is a view partly in longitudinal section and partly in elevation of the device as herein disclosed.

As disclosed in the accompanying drawings, C denotes a casing of desired dimensions and configuration and comprising two separable parts, 1 and 2. Arranged within the casing C is a motor M of an electric type and in operative connection with the motor are suitable conductors comprised in the cord 3. The cord 3 extends exteriorly of the casing C through an opening 4 in a wall

thereof and said cord 3 is provided at its outer extremity with a socket 5 or the like whereby the conductors comprised within the cord may be suitably connected with a source of electric energy. The walls of the sections 1 and 2 of the casing C are provided with the openings 6 to facilitate the cooling of the motor M when in operation. The section 1 of the casing C, at substantially its center, is provided with an elongated tubular extension 7, preferably integral therewith, and disposed through the bore 8 of said extension is the shaft 9 in driven connection with the motor M. The shaft 9 is of a length to terminate beyond the outer end of the extension 7 and said end portion of the shaft 9 is provided with a chuck 10. As is clearly illustrated in Fig. 2, the diameter of the bore of the extension 7 is materially in excess of the diameter of the shaft 9 so that the shaft 9 will be rotated with a minimum of frictional resistance and so that the said extension 7 will not become heated. It is to be particularly noted that the inner end of the bore of the extension 7 is open so that said extension may be air cooled. The shaft 9 is supported only by the motor M and the outer or closed end of the extension 7. The chuck 10 is adapted to have engaged therewith suitable tools or elements to permit the device to be employed in connection with the character of work desired to be performed, such as cleaning and polishing silver, whipping cream, beating eggs, sharpening knives, cleaning and polishing nails, et cetera. The extension 7 serves as a handle or hand grasp and for which reason, the periphery thereof is knurled as at 11, and in practice, the extension is adapted to be grasped by a hand of the user whereby the efficiency of the device is materially increased.

The extended portion of the shaft 9 also has fixed thereto a knurled head or a button 12 which is adapted to be grasped to hold the shaft 9 against rotation when the chuck is being manipulated to properly engage the tool with which the same is adapted to be employed.

From the foregoing description, it is thought to be obvious that a device constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is sus-

ceptible of some change and modification without departing from the principles and spirit thereof, and for this reason, I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:—

- 10 A device of the character described comprising a casing provided with a tubular extension, said extension serving as a hand grasp, the outer end of the extension being closed and the inner end opening into the
15 casing, a motor contained within the casing,

a shaft disposed through the extension and in driving connection with the motor, said shaft extending through the closed end of the extension, said closed end of the extension and motor providing the only supports 20 for the shaft, the bore of the extension being of a diameter materially in excess of the diameter of the shaft, the walls of the casing being provided with openings for the admission of air within the casing, and a chuck 25 carried by the shaft exteriorly of the extension.

In testimony whereof I hereunto affix my signature.

PETER F. GLENN.