

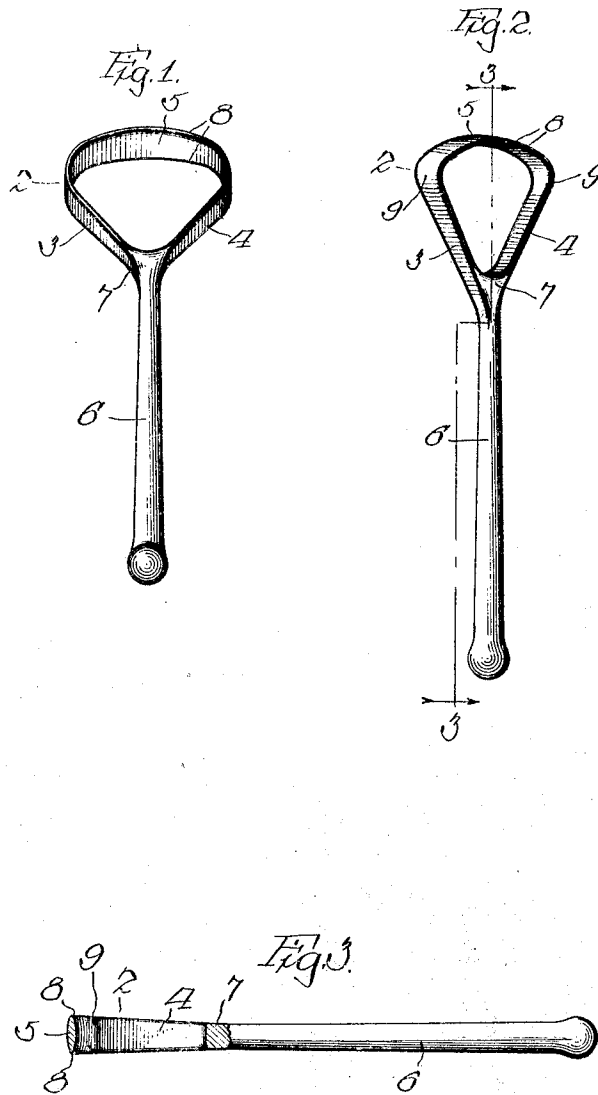
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TONGUE SCRAPER

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UNITED STATES PATENT OFFICE.

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TONGUE SCRAPER.

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My invention relates to a hygienic tongue scraper for use in cleaning the human tongue of undesirable accumulations which tend to form a coating thereon.

5 It is well known by the medical profession that offensive and unpleasant breaths are in many cases caused by the accumulation of a yellow matter which clings to the tongue. One of the causes of this accumulation is the acid saliva given off by the glands in the mouth which generally accumulates upon the tongue at night in the form of a coating. Many persons believe that their systems are freed of this undesirable matter by dissolving it with a mouth solution, but overlook its ill effects when taken into the stomach. On the other hand, when this yellow matter has formed into a coating on the tongue, a mouth solution will not entirely remove it.

20 An object of my invention is provide an instrument which is light and very efficient in removing this undesirable matter by scraping the tongue without injury thereto.

Another object of my invention resides in a novel form of tongue scraper which is light, of a practical size, capable of use in all sizes of mouths, both adults and children, and of a one piece construction, which renders it entirely hygienic.

30 Another object of my invention is to provide a tongue scraper having a triangular portion insertable into the mouth, which will clean the sides of the tongue as well as the center, the sides of the triangular portion being graduated toward the handle and the scraping edge being beveled to prevent injury to the tongue.

Other objects and advantages of my invention will be apparent from the following detailed description when taken in connection with the accompanying drawing, in which:

Figure 1 is a perspective view looking downwardly at the device in its scraping position;

Fig. 2 is another perspective view of the device; and

Fig. 3 is a vertical sectional view taken on line 3—3 of Fig. 2.

50 In the drawings, the device illustrated comprises the mouth portion 2 of triangular formation, having the sides 3 and 4, a base 5 and a handle 6 joining the sides 3 and 4 at the apex 7. The edges of the base 5 are slightly beveled or tapered round to provide scraping edges 8, which will not cut or

otherwise injure the tongue when pressed thereagainst. It will be observed that this base is slightly arcuate in form as illustrated in Fig. 2 and joins the sides 3 and 4 by the curved portions 9.

Sides 3 and 4 are slightly graduated in size toward the point where handle 6 is joined. This graduation is along both edges of the sides. I prefer to provide the edges of sides 3 and 4 slightly beveled, the same as edges 8, to also form scraping edges for cleaning the sides of the tongue. When the device is inserted in the mouth, the base 5 will bear against the center of the tongue thereby causing the sides and forward portions of the tongue slightly to bulge upwardly. By graduating the edges of the sides and providing the curved portions 9, I am able to press against the tongue with the device without injuring the portions of the tongue which bulge. The tongue is very tender and may be easily scored. I find that it is practically impossible to injure the tongue with my device in view of the manner in which the sides 3 and 4 and base 5 are formed.

Another advantage of this formation is that the entire tongue is thoroughly cleaned of accumulation and the accumulation is collected in the triangular portion so that it will be readily removed at the tip of the tongue.

It will be noted that the tongue scraper is reversible and can be used on either side. On the other hand, it is a one-piece instrument, and therefore, readily sterilized. The general design makes the device very adaptable for mouth use and fits into practically any size mouth, whether that of an adult or a child. The base is slightly wider than the sides 3 and 4 which very advantageously permits thorough scraping of the mouth by the scraping edges 8 and at the same time allows the sides 3 and 4 to retain the accumulations within the triangular portion to prevent their escape into the mouth.

I have found that the daily use of the device herein disclosed maintains the mouth in a strictly hygienic condition and is beneficial to the health of the user.

Without further elaboration, the foregoing will so fully explain the gist of my invention, that others may, by applying current knowledge, readily adopt the same for use under varying conditions of service, without eliminating certain features, which

may properly be said to constitute the essential items of novelty involved, which items are intended to be defined and secured to me by the following claim.

5 I claim:

A tongue scraper comprising a mouth portion formed into a triangle having a handle

attached thereto, the base and sides of said triangle having their edges beveled to provide bilateral scrapping edges, said sides 10 tapering in width toward said handle.

In witness whereof, I have hereunto subscribed my name.

IGNATZ GROSS.