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S. J. WILSON

2,079,096

CHIN MOLDER

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Fig. 1.

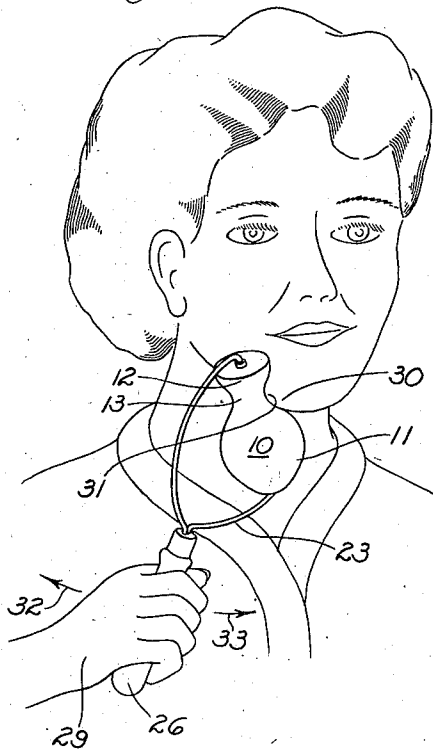


Fig. 2.

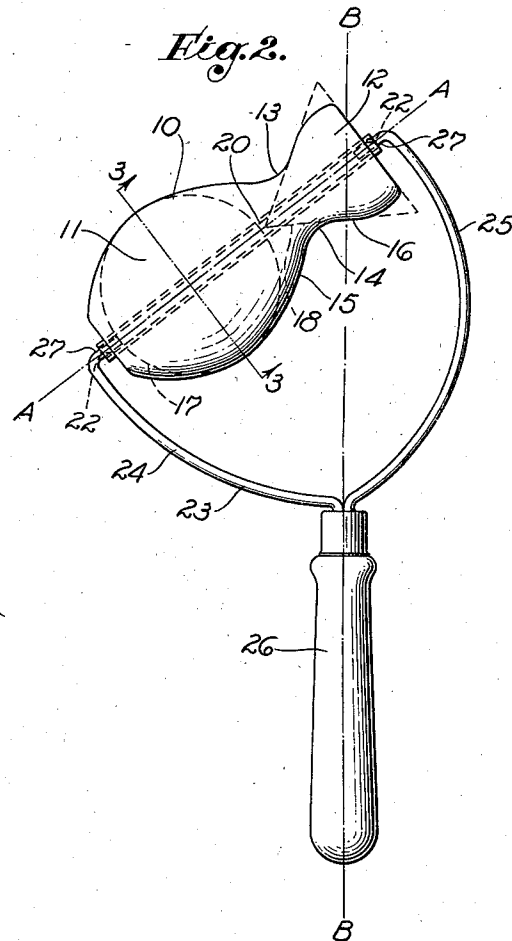


Fig. 3.

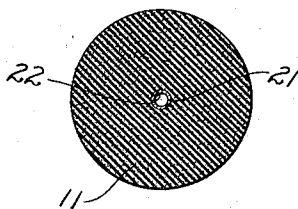
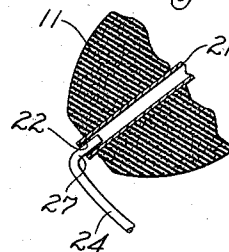


Fig. 4.



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CHIN MOLDER

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3 Claims. (Cl. 128—57)

My invention relates to a device for treatment or massage of the lower portion of the face, commonly referred to as the chin. Herein the term "chin" is used in its broader sense as being that portion of the face which covers or includes the lower jaw, instead of the more limited meaning wherein this term is used to indicate the point of the jaw or that portion below the mouth. Accordingly, hereinafter the use of the term "chin" is intended to mean the overlying bodily tissue and skin along the side of and under the lower jaw bone of the human anatomy.

It is an object of the present invention to provide a device which will massage the chin with a rolling action, thereby correcting any unevenness or sagging tendencies of the chin, and hardening and strengthening the flesh and muscular structure of the chin, thereby maintaining the youthful and natural contour of the face, and avoiding the tendency, as occurs with the improper application of massage, to cause sagging of the lower part of the face.

It is a further object of the invention to provide a device of the above character having a roller member of soft, resilient material shaped to conform to the chin, together with means for manipulating the same in a manner to roll it from one side of the chin, across the point of the chin, and to the other side thereof.

It is a further object of the invention to provide in a device of the above character a roller of soft material, such as sponge rubber, having a peripheral groove intermediate its ends, the bottom of the groove being formed by a rounded wall merging into the walls of the larger end portions of the roller, and being proportioned so as to fit the ridge of the chin or jaw, it being meant by the term "ridge" that sharply rounded portion of the chin connecting the side of the face with the under surface of the chin or hollow of the chin.

It is a further object of the invention to provide a device of this character having a handle and means of simple form for supporting the roller so that it may rotate on an axis diagonally disposed with relation to the axis of the handle, thereby enabling the operator to hold the handle in a substantially upright position during the use of the device.

It is an object of the invention to provide a device of the above character in which the handle is disposed at an acute angle relative to that portion of the axis of the roller which passes through the bulbous portion of the roller so that when the handle is held in a substantially upright posi-

tion, the bulbous portion of the roller will be in a position to lie in the hollow of the chin.

Further objects and advantages of the invention will be brought out in the following part of the specification.

Referring to the drawing, which is for illustrative purposes only,

Fig. 1 is a view indicating the manner in which the invention may be used.

Fig. 2 is a face view of the device drawn to enlarged scale.

Fig. 3 is a cross section on a plane represented by the line 3—3 of Fig. 2.

Fig. 4 is a fragmentary section showing the manner in which the axle pins or pivots engage the roller structure.

As shown in Fig. 2, the preferred form of the invention comprises a roller 10 molded from a soft yielding material, such as sponge rubber. This roller, however, may be made from harder material if desired. It is formed so as to have a pair of major and minor end portions 11 and 12 separated by an annular depression or channel 13. The surface 14 of the bottom of the peripheral channel 13 curves gradually and merges with surfaces 15 and 16 leading to the enlarged end portions 11 and 12.

The end portion 11 may be said to constitute a bulbous head portion of such size as to fit snugly into, or conform to, the under part of the normal chin where it curves into the neck. The form of the portion 11 is substantially a truncated prolate spheroid based on a sphere indicated by dotted lines 17, and the portion 12 is substantially a frusto-conoid based on a cone shown in dotted lines 18, these parts 11 and 12 being joined by a neck or shank 20 which constitutes that portion of the roller within the channel 13.

The axis A—A of the roller 10 coincides with the axis of the cone 18 and a diameter of the sphere 17. Extending through the roller 10 on the axis A—A is a metal tube 21 which serves as a reinforcement for the roller 10 and also provides sockets or openings 22 at each end of the roller 10 for engagement by a means for supporting the roller so that it may be rotated in accordance with its method of application herein-after disclosed.

The supporting means for the roller 10 comprises a frame 23 preferably consisting of a slender rod or wire bent to form arms or branches 24 and 25 which extend upwardly or outwardly from a handle 26 in diverging relation, as shown.

The ends 27 of the branches 24 and 25 are bent inwardly toward each other so as to lie on the axis A—A which is disposed at an angle to the axis B—B defined by the handle 26. In addition to the branches 24 and 25 being so shaped as to provide a desired angle of the axis A—A relative to the axis B—B, they are also so formed that the axis B—B will approximately pass through the small enlarged end 12 of the roller 10. The inwardly bent ends 27 of the branches 24 and 25 project into the sockets or openings 22 provided by the ends of the metal tube 21. These ends 27 therefore act as shafts or trunnions on which the roller 10 may rotate as it is applied to the chin in the manner shown in Fig. 1.

The utility of the device is not only that of a means for massaging and therefore reforming the chin which has sagged or has lost its sharp definition due to accumulation of fat tissue, but also of a means for keeping the flesh and muscles of the chin in reduced and solid condition so that sagging or deformation thereof will be resisted for a maximum period of time. As shown in Fig. 1, the handle 26 is of a size to be held in one hand 29 in a nearly upright position. The roller 10, being disposed on a diagonal axis relative to the handle, will be in a position for its proper application to the chin 30, with the bulbous portion 11 thereof lying in the hollow of the chin, the channel or neck 13 thereof over the ridge 31 of the chin, and the upper end portion 12 resting against the portion of the chin above the ridge 31. By movement of the hand 29 back and forth as indicated by arrows 32 and 33, the roller 10 may be made to traverse the chin from a point adjacent one ear, across the point of the chin, to a point adjacent the opposite ear. The massaging effect is by a changing application of pressure rather than by a pulling or stretching of the tissues. The bulbous portion 11 of the roller definitely bears against the under portion of the chin and fits into the hollow thereof, while at the same time the ridge and upper portion of the chin are respectively engaged by the neck or shank 20 and the smaller conical enlargement 12 of the roller 10.

Although I have herein shown and described my invention in simple and practical form, it is recognized that certain parts or elements thereof are representative of other parts, elements, or mechanisms which may be used in substantially the same manner to accomplish substantially the same results; therefore, it is to be understood that the invention is not to be limited to the details

disclosed herein but is to be accorded the full scope of the following claims.

I claim as my invention:

1. A chin massaging device comprising a roller elongated in the direction of its axis, said roller having an annular channel adjacent one end thereof dividing the roller into major and minor end sections merging with said channel in a continuous curve, said channel being of sufficient depth and curvature to engage the ridge of a human chin, said major section of the roller being substantially a truncated prolate spheroid and adapted to engage the under portion of the chin, said minor section being substantially a frusto-conoid with the base thereof constituting an end of the roller and adapted to engage the portion of the chin above the ridge, and means to support said roller in operative position.

2. A chin massaging device comprising a resilient roller elongated in the direction of its axis, said roller having an annular channel adjacent one end thereof dividing the roller into major and minor end sections merging with said channel in a continuous curve, said channel being of sufficient depth and curvature to conform to the shape of and engage the ridge of a human chin, said major section of the roller being substantially prolate spheroidal and adapted to conform to the shape of and engage the under-portion of the chin, said minor section being substantially frusto-conoidal with the base thereof constituting an end of the roller and adapted to conform to the shape of and engage the portion of the chin above the ridge, and means to support said roller in operative position.

3. A chin massaging device comprising a resilient roller elongated in the direction of its axis, said roller having an annular channel adjacent one end thereof dividing the roller into major and minor end sections merging with said channel in a continuous curve, said channel being of sufficient depth and curvature to conform to the shape of and engage the ridge of a human chin, said major section of the roller being substantially prolate spheroidal and adapted to conform to the shape of and engage the under-portion of the chin, said minor section being substantially frusto-conoidal with the base thereof constituting an end of the roller and adapted to conform to the shape of and engage the portion of the chin above the ridge, and a handle disposed at an acute angle relative to the axis of said roller for supporting the roller in operative position.

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