Dec. 25, 1923. 1,478,388

D. GRAY

MASSAGE INSTRUMENT

Filed Dec. 16, 1921

Fig. 1.

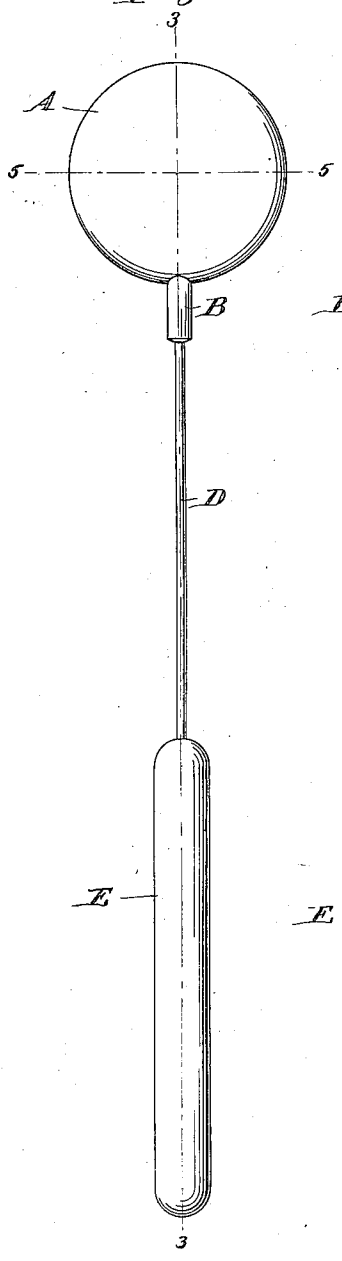


Fig. 2.

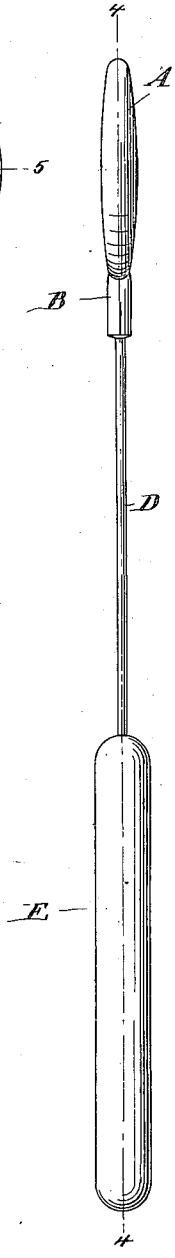


Fig. 3.

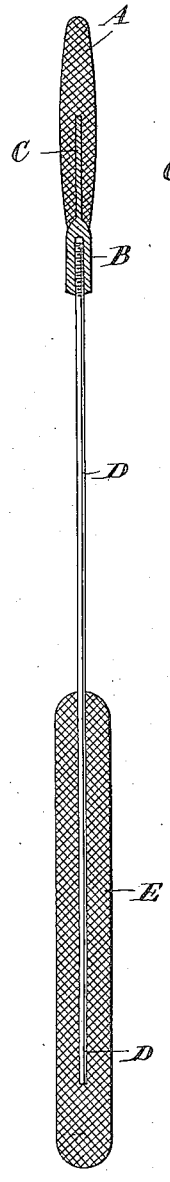


Fig. 4.

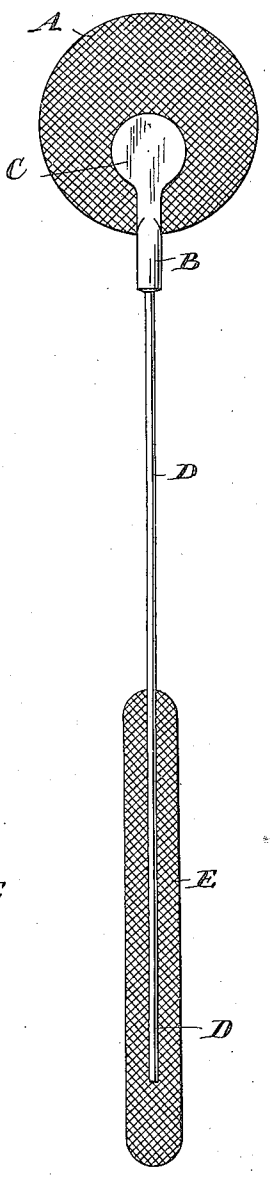
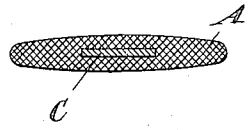


Fig. 5.



Inventor:
Dorothy Gray,
by her attorney,
Charles R. Searle.

Patented Dec. 25, 1923. 1,478,388

UNITED STATES PATENT OFFICE.

DOROTHY GRAY, OF NEW YORK, N. Y.

MASSAGE INSTRUMENT.

Application filed December 16, 1921. Serial No. 522,766.

To all whom it may concern:

Be it known that I, DOROTHY GRAY, a citizen of the United States, residing in the city of New York, borough of Manhattan, in the county and State of New York, have invented a certain new and useful Improvement in Massage Instruments, of which the following is a specification.

The invention relates to hand-operated percussion devices, and the object of the invention is to provide an instrument of simple and hygienic construction especially designed for facial massage and adapted for self-use, in which the elements of weight, resilience, form and yieldingness are combined to produce the desired invigorating results when applied to the surfaces to be treated.

The invention consists in certain details of form and structure by which the above objects are attained, to be hereinafter described and claimed.

The accompanying drawings form a part of this specification and show the invention as it has been carried out in practice.

Figure 1 is a face view of the improved instrument.

Figure 2 is a corresponding side view.

Figure 3 is a longitudinal central section taken on the line 3—3 in Figure 1.

Figure 4 is a similar section taken at a right angle to the preceding figure, on the line 4—4 in Figure 2, and partly in elevation.

Figure 5 is a transverse section through the pad or disk, taken on the line 5—5 in Figure 1.

Similar letters of reference indicate the same parts in all the figures.

The instrument comprises a circular percussion pad or disk mounted at one end of a resilient rod, provided with a handle at the other end, both disk and handle being of soft vulcanized rubber. The device is operated by grasping the handle and delivering light blows of the face of the disk against the skin to induce the desired stimulation.

Referring to the drawings, A is the disk having a rounded edge and smooth slightly convex faces. It is preferably moulded and vulcanized directly upon a metal socket B flattened and shaped at one end to form a circular plate C imbedded in the disk, as shown. The protruding end of the socket is cylindrical and is drilled and tapped axially.

D is a rod or wire threaded at one end to be received and engaged in the socket B. The other end extends into a cylindrical handle E also of soft rubber vulcanized upon the rod and having rounded ends.

The rod D affords the desired resilience in producing the gentle impacts of the disk upon the surfaces to be treated, and the socket B with its plate C provides the additional weight required in the disk to insure the proper degree of force in such impacts.

All parts of the instrument may be easily cleaned and sterilized without damage; the smoothly rounded surfaces of the disk and handle permit such cleansing to be efficiently accomplished either in the assembled condition or by unscrewing the rod and handle from the socket B and cleaning the separated parts independently.

I claim:—

1. The instrument described, consisting of a circular disk of soft rubber, a socket flattened to form a plate imbedded in and held within said disk and moulded and vulcanized therein and internally screw-threaded at its protruding end, said flattened plate being disposed parallel with the said disk a resilient rod adapted to be screwed into said socket at one end, and a soft rubber handle in which the other end of said rod is imbedded.

2. The instrument described, consisting of a circular disk of soft rubber having convex faces and a smoothly rounded edge, a socket flattened at one end to form a plate imbedded in and held within said disk and moulded and vulcanized therein and internally screw-threaded at its protruding end, said plate being disposed parallel with the said disk, a resilient rod adapted to be screwed into said socket at one end, and a cylindrical soft rubber handle having smoothly rounded ends, in which the other end of said rod is imbedded.

In testimony that I claim the invention above set forth I affix my signature, in presence of two witnesses.

DOROTHY GRAY.

Witnesses:

IRENE GRIFFIN,

CHARLES R. SEARLE.