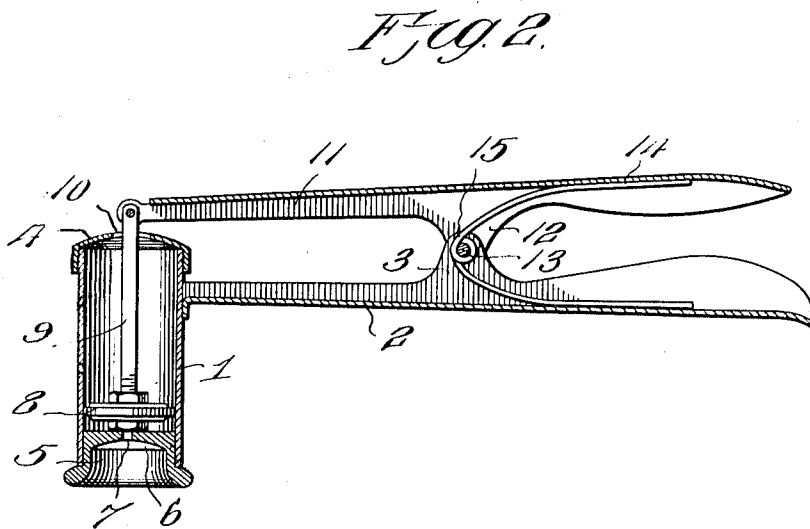
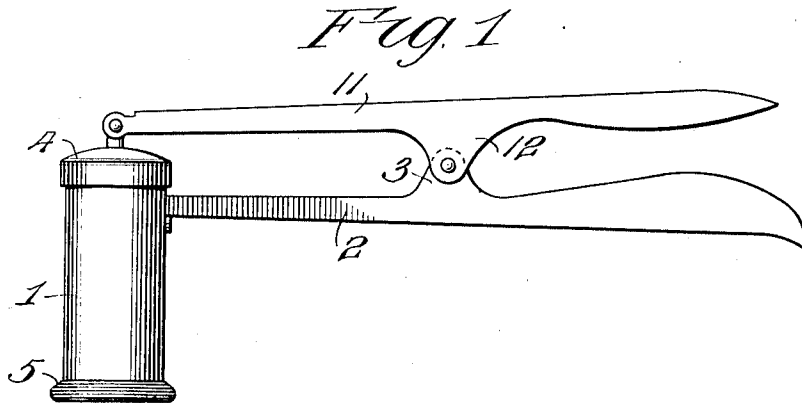


M. A. HAINES.
 MASSAGE APPARATUS.
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949,230.

Patented Feb. 15, 1910.



Witnesses
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UNITED STATES PATENT OFFICE.

MARY A. HAINES, OF CLEVELAND, OHIO.

MESSAGE APPARATUS.

949,230.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, MARY A. HAINES, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented new and useful Improvements in Massage Apparatus, of which the following is a specification.

This invention relates to a massage apparatus of that class known as the dry applicator or vacuum type, and the object of the invention is to provide an apparatus of this character which is extremely simple in construction, comparatively cheap to manufacture and which will perform the functions for which it is intended with efficiency and with certainty.

With the above and other objects in view which will appear as the description progresses, the invention resides in the novel construction and arrangement of parts hereinafter fully described and claimed.

In the accompanying drawing there has been illustrated a simple and preferred embodiment of the invention, and in which, Figure 1 is a side elevation of the device constructed in accordance with the present invention. Fig. 2 is a simple longitudinal section of the same.

It is one of the principal objects of the present invention to provide a massage apparatus which may be employed in connection with the usual wet or steam massage treatment so that the skin of the patient will be thoroughly dried and a perfect circulation of the blood in the parts operated upon insured. The device is also adapted for removing wrinkles and filling out hollow places and may thus be used as an entirely separate device from the wet or steaming massage, if desired.

In the drawing, the numeral 1 designates the cylinder constructed of some suitable metal and provided with a longitudinally extending handle 2. This handle 2 may be integrally formed with the cylinder 1 or connected therewith in any desired manner and the handle comprises a pair of spaced arms each having a central upturned portion 3 provided with suitable alining openings for a purpose hereinafter to be described. The cylinder 1 has its upper face opened and provided with suitable threads adapted for

the reception of similar threads provided upon the offset portion of a removable closure 4. The bottom portion of the cylinder 1 has either integrally formed thereon or securely attached thereto a cup member 5. This member 5 has its lower edge provided with a founded bead and a concaved lower wall as designated by the numeral 6. The concaved wall 6 is provided with a central opening 7, communicating with the interior of the cylinder 1.

Positioned within the cylinder 1 is a piston 8 provided with a stem 9 extending through an elongated opening 10 provided in the top of the closure 4. The outwardly extending portion of the stem 9 is provided with a suitable opening which is adapted to aline with similar openings provided within the ends of the upper handle member 11. The handle 11 is substantially of a similar construction to that of the handle 2, being provided with suitable side arms having central depending ears 12 adapted to be positioned over the ears 3 of the arm 2 and having suitable openings alining with the openings of the extension 3, which are adapted for the reception of a suitable pintle 13. In order to normally force the arms 2 and 11 away from each other, and thus normally retain the piston 8 adjacent the top of the vacuum cup 5 I have provided a suitable spring 14, which is preferably bent at its center so as to provide a suitable eye which is adapted to be engaged by the pintle 13, thus positioning the arms of the spring member 14 between the side arms of the handle members 2 and 11.

The entire construction above described is adapted to be formed entirely of metal and from the description it will be noted that I have provided an extremely simple and thoroughly effective device for the purpose intended and one which may be constructed at a comparatively moderate cost.

Having thus fully described the invention what is claimed as new is:

In a massage apparatus, a cylinder, an integrally formed substantially cross sectionally U-shaped handle for the cylinder, a removable closure for the cylinder, a vacuum cup having a central opening for the cylinder, a piston, a rod for the piston projecting

through the closure of the cylinder, a handle substantially U-shaped in cross section pivotally connected with the rod of the piston, a pivot connecting the two handles, and a
5 wire spring having its central portion provided with an eye adapted to engage the pivot of the handles and the oppositely extending arms of the spring adapted to lie be-

tween the U-shaped handles and exert opposite pressure.

In testimony whereof I affix my signature
in presence of two witnesses.

MARY A. HAINES.

Witnesses:

GRACE M. HENRY,
MARY L. MAY.