April 25, 1944. B. P. LONDON 2,347,327

MASSAGING APPARATUS

Original Filed Nov. 18, 1941

Fig. 1

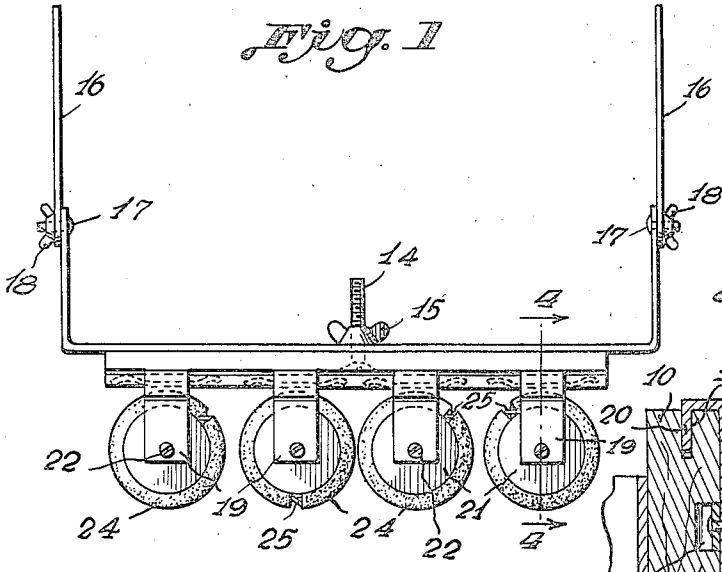


Fig. 4

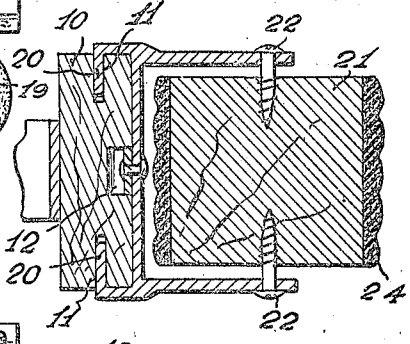


Fig. 2

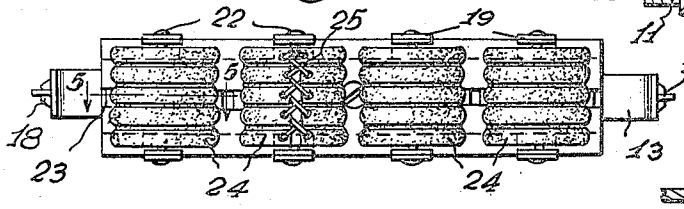


Fig. 5

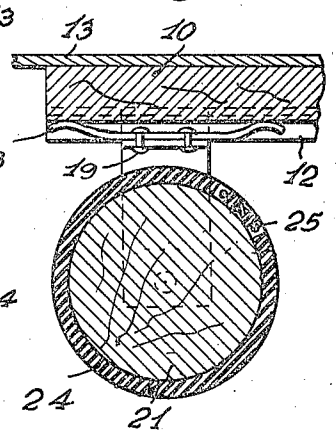
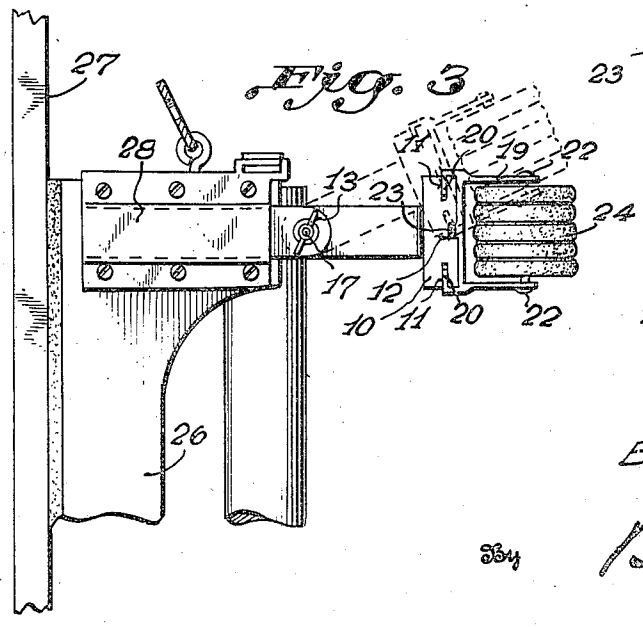


Fig. 3



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2,347,327

UNITED STATES PATENT OFFICE

2,347,327

MASSAGING APPARATUS

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Original application November 18, 1941, Serial No. 419,656, now Patent No. 2,328,156, dated August 31, 1943. Divided and this application July 30, 1943, Serial No. 496,790

5 Claims. (Cl. 272—57)

The present invention relates to a new and useful massaging apparatus and constitutes a division of my copending application Serial Number 419,656, filed November 18, 1941, for Massaging apparatus.

In the parent case referred to above, there is disclosed a massaging apparatus for massaging the human body to reduce and eliminate corpulency and fatty tissues as well as to promote healthy muscular development and circulation of the blood. Said massaging apparatus is used for massaging the easily accessible parts of the body such as the back, thighs, stomach and legs. The present massager is adapted as an attachment for the aforementioned large massager and is to be used for the inaccessible portions of the body such as under the arms, the neck, shoulders, face and scalp.

Thus, the principal object of the present invention is to provide a massager adapted to be applied to certain parts of the body not accessible to the conventional large body massager.

A further object of the invention is to provide a massager so constructed as to be rigidly mounted on a support but capable of being adjusted to various positions to reach various parts of the body.

A still further object of the present invention is to provide a massaging apparatus wherein the massaging rolls are removable whereby the number of rolls used can be varied at the will of the user.

A still further object of the invention is to provide a massager having removable jackets in the form of flexible members whereby the same massager can be used for different parts of the body and whereby the rigidity of the roller surface can be varied at will.

To the accomplishments of these objects and such others as may appear as the description of the invention proceeds, the various features of the present invention reside in certain devices, combinations, and arrangements of parts fully descirbed hereinafter. The illustrated embodiment of the present invention will be readily understood from an inspection of the accompanying drawing showing a preferred embodiment of the invention.

In the drawing, wherein like numerals refer to like or corresponding parts throughout the several views,

Figure 1 is a top plan view of the massager of the present invention.

Figure 2 is a front view thereof.

Figure 3 is a side view of the present invention shown mounted on the large massager of the parent case, only a section of the large massager being shown.

Figure 4 is a sectional view taken on the line 4—4 of Figure 1.

Figure 5 is a sectional view taken on the line 5—5 of Figure 2.

Referring to the drawing in detail, the illustrated embodiment of the present invention comprises a main frame portion 10 preferably constructed of wood although other materials could be used. The upper and lower faces of the frame member are provided with grooves 11 extending the full width of the frame. A groove 12 is provided in the front face of the frame member 10. A U-shaped bracket 13 is secured to the rear face of the frame at a single, central point by means of a threaded bolt 14 passing through the frame and bracket. A wing nut 15 with the bolt 14 to hold the frame and bracket rigidly together. As a result of this construction it will be readily apparent that the frame can be rotated in a vertical plane about the bolt as an axis and can be locked in any desired position by means of the wing nut 15.

A pair of supporting members 16 are pivotally secured to the two arms of the U-shaped bracket by means of threaded bolts 17 and held rigid with respect to said arms by means of wing nuts 18. This will permit frame 10 to be rotated about the bolts 17 into an upper or lower position. As shown in dotted lines in Figure 3, the frame is supported in an upwardly tilted position for a purpose that will appear as the description progresses.

The frame member 10 has mounted thereon a plurality of rollers carried by individual brackets 19. In the present embodiment four such brackets are shown but it will be apparent that a lesser number can be used depending on the use to which the rollers are to be put, the particular construction shown being readily adapted for this purpose as will appear below. Each bracket 19 is provided with portions 20 slidably receivable in grooves 11 of the frame member. Rollers 21 are rotatably secured to the brackets 19 by means of screws 22. A spring element 23 is secured to the rear face of each bracket and is slidably received in groove 12 of the frame member. The spring elements 23 bearing against the rear surface of groove 12 hold the brackets against free lateral movement. The brackets, however, can be readily removed by merely applying pressure against the force of the springs and sliding the brackets out of the grooves.

Each of the rollers is provided with a removable jacket **24** held in place by lacing **25**. In the present embodiment, the jacket is shown as corrugated. However, it will be clearly understood that if it is desired to use a jacket having a smooth surface or a rougher surface, or one that is made of hard or softer material, the original jacket may be removed and replaced with the jacket desired. It is also apparent that other forms of securing means can be substituted for the lacing shown. Since the rollers can be readily removed from the brackets **19** by merely removing the screws **22**, it would be a simple matter to provide the rollers with sleeve members thus doing away with the lacing or other securing means.

Figure 3 shows the manner of using the present massager as an attachment for the large massager disclosed in the parent case and the particular manner of mounting same. As described in the parent case, the large massager generally indicated by numeral **26** is suitably mounted on a door **27** and is provided with special means for raising or lowering the massager **26** to any desired position. Massager **26** is provided on each of its sides with channel members **28** adapted to receive supporting members **16**. The length of each channel member is approximately the length of each supporting member and insures a rigid support for the small massager. Since the large massager is adjustable to any height, the small massager is therefore also adjustable to any desired position.

The operation of the present device is as follows: After being mounted on the large massager as shown in Figure 3, the main portion of the small massager can be rotated and tilted into any desired position. For example, if it is desired to massage under the chin, the frame can be tilted into the position shown in dotted lines in Figure 3 by merely loosening wing nuts **18** and moving the frame into the correct position. Tightening of the wing nuts will hold the frame locked in this position. If it is desired to massage the shoulders, the frame can be tilted in a downward direction in a manner similar to that described above. If it is desired to use a single roller for massaging the scalp, the remaining rollers may easily be removed as previously described.

From the above description, it is readily apparent that the present apparatus is well designed to accomplish the objects of the invention. It is obvious that various changes and modifications may be made in the details of construction and design of the above specifically described embodiment of this invention without departing from the spirit thereof, such changes being restricted only by the scope of the following claims.

Having thus described the invention, what is claimed is:

1. A massaging apparatus comprising a frame member, a plurality of brackets having rollers mounted thereon, means on said frame for slidably receiving said brackets, and spring members for frictionally holding said brackets on said frame.

2. A massaging apparatus comprising a frame member, a U-shaped bracket, a plurality of rollers mounted on said frame member, and means connecting said frame member to the U-shaped bracket whereby the frame member may be completely rotated about a single point relative to said bracket in a vertical plane.

3. A massaging apparatus comprising a frame member, a U-shaped bracket, a plurality of rollers mounted on said frame member, means connecting said frame member to said U-shaped bracket, said U-shaped bracket having supporting members pivotally secured to the arms thereof, and means for locking said supporting members in various adjusted positions relative to said arms.

4. A massaging apparatus comprising a frame member, a U-shaped bracket, a plurality of rollers mounted on said frame member, means connecting said frame member to the U-shaped bracket whereby the frame member may be adjusted with respect to the bracket, said U-shaped member having supporting members pivotally secured to the arms thereof, and means for locking said supporting members in various adjusted positions relative to said arms.

5. In a massaging apparatus, a frame member, said frame member having grooves in its upper and lower faces, a bracket having arms receivable in said grooves, a roller mounted on said bracket, a groove in the front face of the frame, and spring means receivable in said groove and pressing the bracket member outwardly.

BESSIE P. LONDON.