

A. M. LOUGHNEY.
ABDOMINAL FAT REDUCING APPLIANCE.
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951,648.

Patented Mar. 8, 1910.

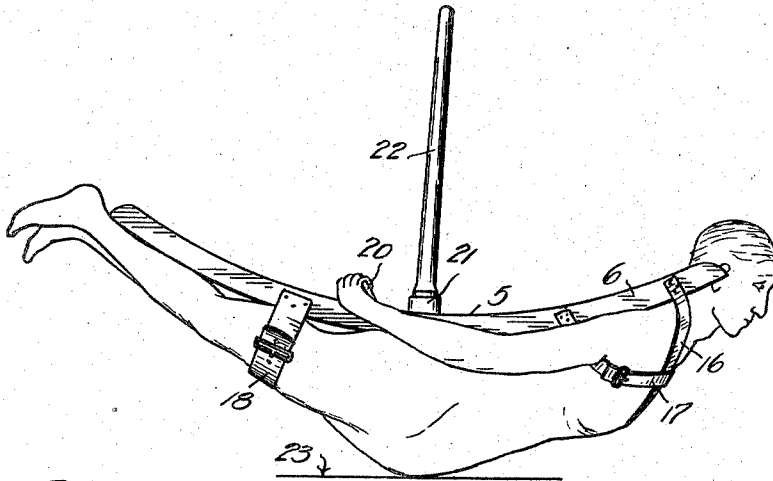


FIG. 3

FIG. 1

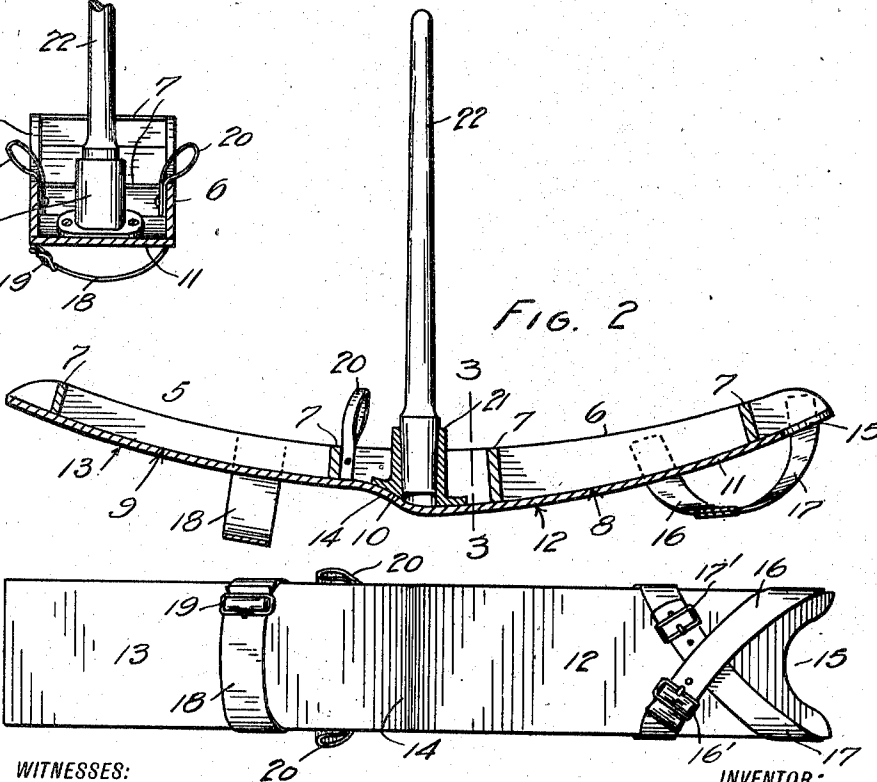
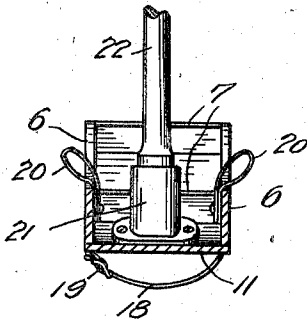


FIG. 2

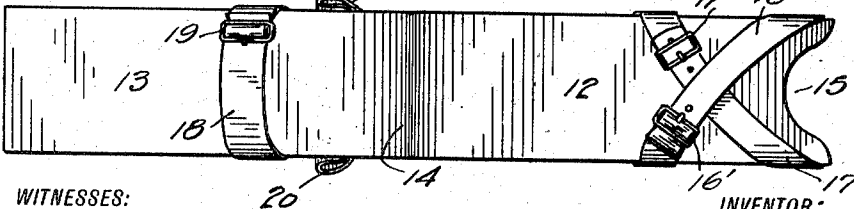


FIG. 4

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ABDOMINAL-FAT-REDUCING APPLIANCE.

951,648.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ALBERT M. LOUGHNEY, a citizen of the United States, residing at Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Abdominal-Fat-Reducing Appliances, of which the following is a specification.

This invention relates to therapeutic apparatus. Its object is the provision of a device which is to be employed in the treatment of persons having superfluous fat for the removal of the same and especially from the abdomen, hips and breast; and thereby promote a hyperemic condition of the blood to assist in the eradication of accumulations of adipose tissue.

A further object is to exercise the body in and about the abdominal regions to strengthen the evacutory functions and thus render the body more healthful by the elimination of the poisonous secretions therefrom.

With these and other objects in view the invention consists in certain novel features of construction, combination and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a side elevation of an embodiment of my invention applied to a patient; Fig. 2 is a longitudinal vertical section of the device; Fig. 3 is a cross sectional view taken through 3-3 of Fig. 2; and Fig. 4 is an underside plan view.

In the drawings, the reference numeral 5 designates the body of the device which is comprised of a frame having two parallel side rails 6 connected by transversely arranged bars 7. Said rails are each of a substantially rocker-shape with the underside edge formed to have the curved forward portion 8 offset from the curved rearward portion 9 and which portions are intermediately connected by a portion 10 having a compound curve. Secured to the underside of said frame and conforming to the above explained configuration of the corresponding edges of the side rails, as shown in Fig. 2, is a web 11 which thus affords two convex surfaces 12 and 13 with a concave surface 14 therebetween. At the front of the web is a recess 15.

Fixedly secured to the rails in proximity of the front, or head end, of the frame are shoulder straps 16 and 17 which are ar-

ranged to cross each other below the web, as best shown in Fig. 4; and, for adjustment purposes, are each desirably formed of two parts which are coupled by buckles 16' and 17', or in any other suitable manner. Adjacent to the rear of the device is a leg strap 18 formed of two parts which are connected from the respective side rails and, as illustrated, are adjustably coupled by a buckle 19. Hand-gripping loops 20, or an equivalent, are secured to the opposite sides of the frame.

21 represents a socket-member which is rigidly secured to the frame, or to the web 11, to accommodate a handle-bar 22 whereby the rocking movements of the device are accomplished.

The device is applied to the body of a patient by placing the web 11 thereof against his back and by securing the same with the shoulder-straps 16 and 17 extending across his breast and about his shoulders; while the leg strap 18 is engaged about the patient's thighs, as represented in Fig. 1. With the device in this position the patient's back and legs will respectively fit against the web surfaces 12 and 13 and his buttock fit with the concave web-surface 14. The patient being thus connected with the device is placed face downward upon the floor 23 of a room, extending his neck within the recess 15 and grasping the loops 20 in his hands. An operator then manipulates the device with the handle-bar 22 to cause the rocking in unison of the patient and the apparatus either sidewise or in longitudinal directions, or utilizing both such movements alternately, or in any other desired manner, with the part of the patient's body which is to be treated bearing upon the floor. By such rocking motions, the affected part of the patient undergoes a sort of massage treatment to afford beneficial exercise to not only effect the removal of excessive fat but likewise affording an invigorating effect to the various organs of the abdominal region, and promoting the peristaltic action of the stomach and intestines to produce a healthy condition of the same.

The hyperemic condition ensuing from treatment with this device serves to dissipate the adipose tissue which is accumulated about the abdomen, at once invigorating a healthful action of the bowels and removing undue strain upon the heart and kidneys.

What I claim as my invention, is:—

1. An abdominal - fat reducing appliance comprising a frame having side rails and a web secured to the underside of the frame, said web being provided with a recess at one end, shoulder straps secured to the frame adjacent to one end of the same, a leg strap secured to the frame adjacent to the other end of the frame, hand gripping means secured to the sides of the frame, and means by which said frame may be rocked to afford a massage treatment to a person's abdomen.

2. An abdominal - fat reducing appliance comprising a frame provided with a web upon its underside which is arranged to afford two convex curved surfaces which are offset with respect to each other, means by which a person may be secured beneath said frame so that his back and legs will respectively contact with said convex surfaces and his abdomen will contact with a horizontal supporting surface, and a handle by which said frame may be rocked.

3. An abdominal - fat reducing appliance comprised of a frame provided with a web

having a convex curved surface upon its underside, means by which a person may be secured in a curved position beneath the frame and against said web, and means by which the frame may be rocked.

4. An abdominal - fat reducing appliance, comprising a convex bottom portion, devices by which a person may be secured against said convex bottom so that his abdomen will contact with a floor, and means by which the person and the said frame may be rocked in unison.

5. An abdominal - fat reducing appliance comprising a frame having side rails and a web secured to the underside of the frame, said web being provided with a recess at one end, means by which a person may be secured to the underside of said web, and means by which said devices may be rocked to afford a massage treatment to the person's abdomen.

ALBERT M. LOUGHNEY.

Witnesses:

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