

C. F. Taylor,

Morement Cure,

N^o 40,865,

Patented Dec. 8, 1863.

Fig 2

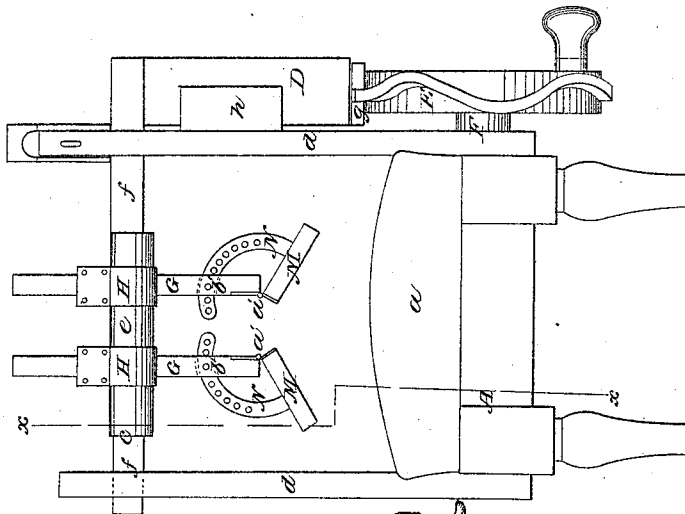
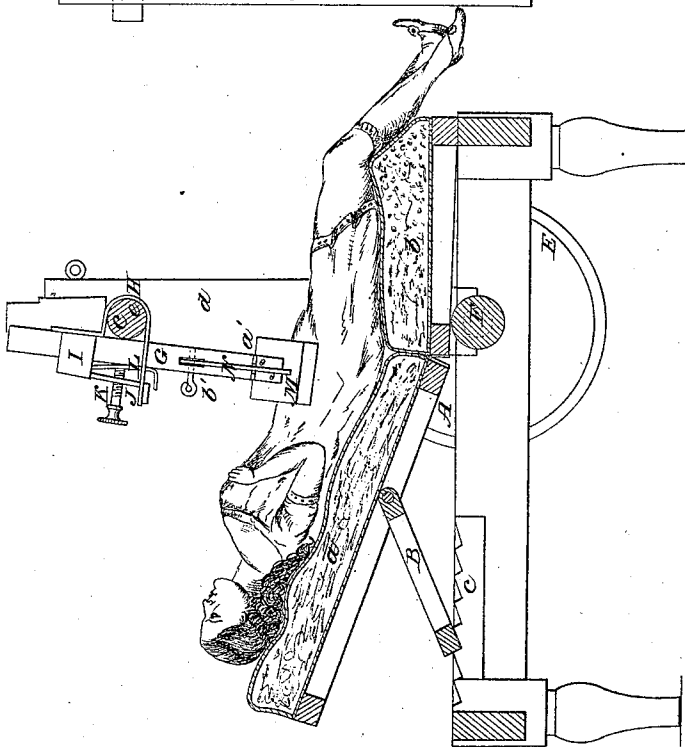


Fig 1



Witnesses:

M. S. Partridge
Daniel Robinson

Inventor:

Charles F. Taylor

UNITED STATES PATENT OFFICE.

CHARLES F. TAYLOR, OF NEW YORK, N. Y.

IMPROVEMENT IN MACHINES FOR EXERCISING THE HUMAN BODY.

Specification forming part of Letters Patent No. 40,865, dated December 8, 1863.

To all whom it may concern:

Be it known that I, CHARLES F. TAYLOR, of the city, county, and State of New York, have invented a new and useful Apparatus or Device for Exercising Certain Portions of the Human Body; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side sectional view of my invention, taken in the line *x x*, Fig. 2; Fig. 2, an end view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

The object of this invention is to obtain a simple and efficient machine for exercising certain portions or members of the human body, designed more especially for the benefit of persons affected with dyspepsia, liver complaint, &c.

The invention consists in the employment or use of a lounge provided with an adjustable section for the purpose of adjusting the patient in the proper or desired position, and using in connection with said lounge a pair of reciprocating pads, arranged and operated in such a manner as to effect the desired end.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents a lounge, the upper part or seat of which is divided into two parts, *a b*, the part *b* being stationary, and the part *a* hinged to *b*, and provided with a prop, B, which engages with racks *c*, attached to the framing of the lounge. By adjusting this prop the part *a* of the seat may be more or less inclined, or placed in a horizontal position if required. To each side of the lounge A there is attached an upright, *d*, in the upper parts of which a horizontal bar, C, is fitted and allowed to work freely. The central portion, *e*, of the bar C is of cylindrical form, the other parts, *f f*, being square, and passing through the uprights *d d*. To one end of the bar C there is attached a pendent bar, D, the lower edge of which has a notch or recess, *g*, in it, in which a serpentine cam, E, works, (see Fig. 2,) said cam being placed on a shaft,

F, which is fitted transversely in the lounge A. By turning the cam E a reciprocating movement is given the bar C. The bar D works between guides *h*, attached to one of the uprights *d*. The cylindrical portion *e* of the bar C has two arms, G G, attached to it, as follows: Metal straps H are attached to sockets I, through which the arms G G pass. To the front ends of the socket-bars J are attached, one to each, the lower ends of said bars being bent outward at right angles to the other parts, and passing through slots in the straps H. Through the bars J set-screws K pass, and bear against elastic plates L, attached to the sockets I. By this arrangement it will be seen that the arms G are firmly secured to the bar C, and said arms may be readily adjusted higher or lower, or more or less obliquely, or in a vertical position, as may be required. By screwing up the set-screws the straps H are made to bind firmly on the bar C, causing the arms G to be clamped between the bar C and the plates L.

To the lower end of each arm G there is attached, by a hinge, *a'*, a pad, M. These pads have each a curved or segment bar, N, attached to their upper sides, said bars passing through mortises in the arms, and being perforated to admit of pins *b'* passing through them, said pins passing through the arms. By this arrangement it will be seen that the pads may be set to any angle, as may be required.

The operation is as follows: The patient is placed upon the lounge, and adjusted, as desired, by raising or lowering the part *a*. The pads M M are then applied to opposite sides of the persons just below the chest, in close proximity to the abdomen. The cam E is then turned, and a reciprocating or vibratory movement imparted to the bar C and arms G G, and the pads M M act upon the parts of the body to which they are applied, and subject the same to the necessary agitation.

The apparatus or device has been practically tested, and has been found to answer an admirable purpose.

Having thus described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

1. The arms G G, provided with adjustable pads M M, and attached to the reciprocating bar C, substantially as shown, for the purpose specified.

2. The arms G G, pads M M, bar C, serpen-

tine cam E, and lounge A, all arranged and combined for joint operation, as and for the purpose specified.

CHARLES F. TAYLOR.

Witnesses:

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