

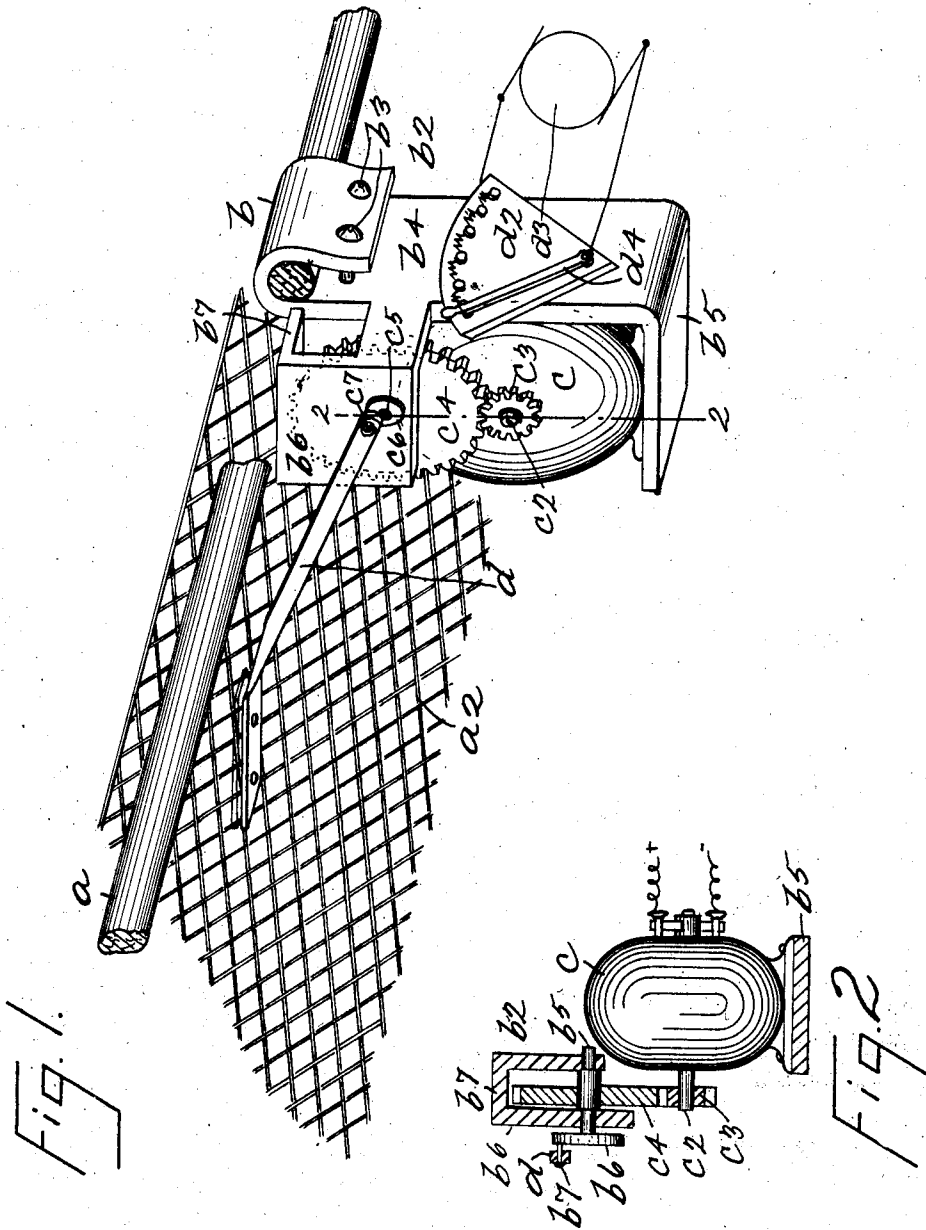
No. 761,862.

PATENTED JUNE 7, 1904.

A. A. WALLMAN & A. B. SALIGER.
BED VIBRATOR.

APPLICATION FILED AUG. 28, 1903.

NO MODEL.



WITNESSES

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ALICE A. WALLMAN AND ALOIS B. SALIGER, OF NEW YORK, N. Y.

BED-VIBRATOR.

SPECIFICATION forming part of Letters Patent No. 761,862, dated June 7, 1904.

Application filed August 28, 1903. Serial No. 171,080. (No model.)

To all whom it may concern:

Be it known that we, ALICE A. WALLMAN and ALOIS B. SALIGER, citizens of the United States of America, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Bed-Vibrators, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide a bed-vibrator which will rapidly agitate the wire mattress of a bed on which a person may be lying, thereby producing a slight agitation of said person, which operates to start the blood in circulation and overcoming any congestion which may have resulted from excessive walking or other exercise or from a cramped position, a further object being to provide such an apparatus which is easily and quickly adjusted to a bed of any construction and which is positive in operation, economical in construction, and well adapted to accomplish the result desired.

The invention is fully described in the following specification, of which the accompanying drawings form a part, in which the separate parts of the invention are designated by suitable reference characters in each of the views, and in which—

Figure 1 is a perspective view of the apparatus in operative position, a portion of a bed-frame and wire mattress being shown. Fig. 2 is a partial sectional view thereof, taken on the line 2 2 of Fig. 1.

In the drawings forming part of this specification we have shown the side rod *a* of a bed of the usual construction, over which is mounted a portion of the usual spring-mattress *a*², all of said bed not being shown for the reason that it is of the well-known iron form, but the same may be of any other construction, as will be understood. Passing around the side rod *a*, preferably about the center thereof, is strap *b* of a frame *b*², of iron or other metal, and which is held thereon by means of bolts or screws *b*³ in such a manner as not to permit of movement, and the frame consists of a vertical member *b*⁴, a horizontal

member *b*⁵ at the bottom thereof, and a wing member *b*⁶, provided with an overhang *b*⁷. Mounted on the horizontal member *b*⁵ of the frame *b*² is an electric motor *c* of the usual or any other construction and to the shaft *c*² of which is secured a pinion *c*³, which engages a gear-wheel *c*⁴, rotatably mounted in the wing member *b*⁶ of the frame *b*², and to the outer end of the shaft *c*⁵ of which is secured a disk *c*⁶, upon which is mounted a pin *c*⁷ eccentric to the shaft *c*⁵. Firmly connected with the wire mattress *a*² of the bed is a rod *d*, the other end of which is pivotally connected with the pin *c*⁷, and upon the front of the vertical member *b*⁴ of the frame *b*² is mounted a rheostat *d*², which is in electrical communication with the motor *c* and with a suitable source of electric supply, as indicated by the dynamo *d*³, said rheostat being provided with the usual arm *d*⁴.

When the arm *d*⁴ of the rheostat *d*² is moved from its normal position, it will be seen that the motor *c* is actuated, the speed or power thereof being governed by the distance which the arm *d*⁴ has been moved, and as the frame *b*² is rigidly connected to the side rod *a* of the bed and the rod *d* is moved rapidly to and fro by means of the pinion *c*³, gear-wheel *c*⁴, and eccentric-pin *c*⁷, the mattress *a*² is also rapidly moved thereby, said movement being of a vibratory nature, and vertical movement of which is prevented by the weight of the bedclothing or of a person lying thereon, and when it is desired to stop the said movement of the parts all that is necessary is to move the arm *d*⁴ back to its normal position.

It will be seen from the construction that the apparatus may be connected with a bed in a few moments or disconnected therefrom and placed out of the way, and the same may be entirely inclosed in a casing, if desired, thereby preventing the entanglement of the bedclothing or soiling the same with grease or dirt, and various other changes in and modifications of the construction herein shown and described may be made without departing from the spirit of our invention or sacrificing its advantages.

Having fully described our invention, what

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

1. In a bed-vibrator, the combination of a bed, a mattress, an electric motor, and means
5 connected to said electric motor and mattress whereby the latter is independently vibrated.

2. In a bed-vibrator, the combination of a bed, a wire mattress, a motor connected to said bed and wire mattress whereby an independent vibratory movement is imparted to
10 said wire mattress.

3. In a bed-vibrator, the combination of a bed, a motor removably attached thereto, a

mattress, and means connected to said mattress and motor whereby an independent vibratory movement is imparted to said mattress. 15

In testimony that we claim the foregoing as our invention we have signed our names, in presence of the subscribing witnesses, this 27th
20 day of August, 1903.

ALICE A. WALLMAN.
ALOIS B. SALIGER.

Witnesses:

THEODORE L. WAUGH,
GEORGE L. BLUMERS.