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PATENTED OCT. 15, 1907.

J. VAN T. DANIELS.
VIBRATING MACHINE FOR MASSAGING PURPOSES.
APPLICATION FILED MAR. 14, 1904.

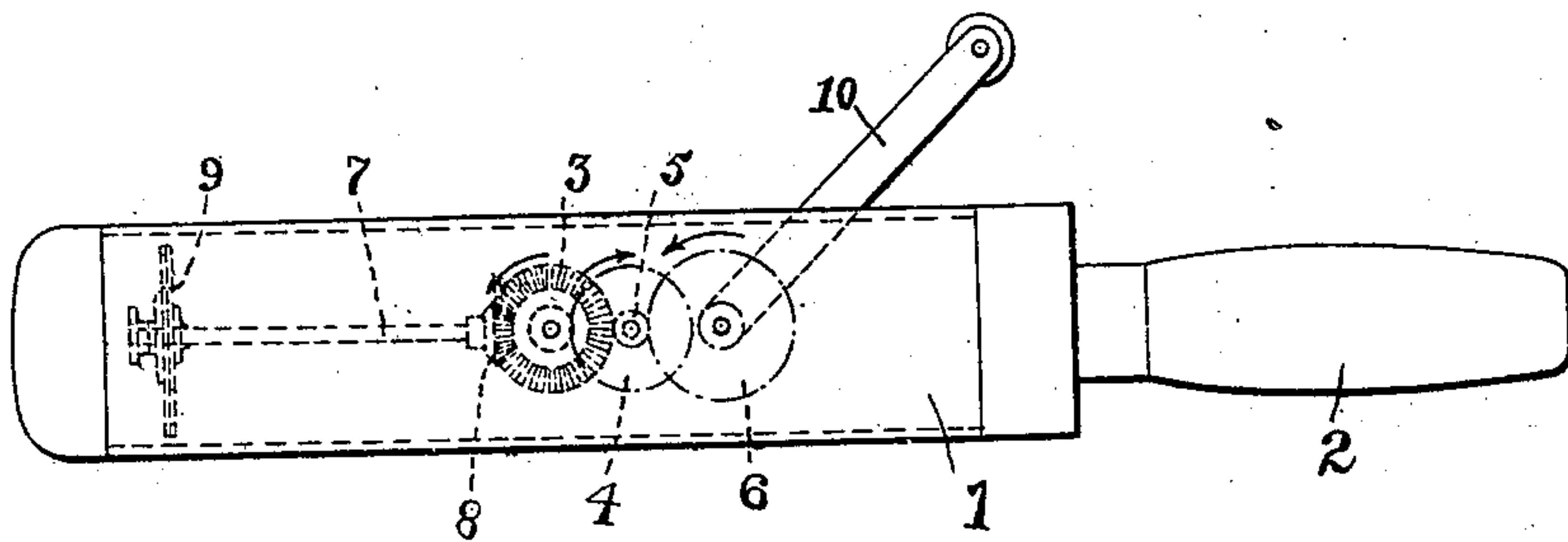


Fig. 1.

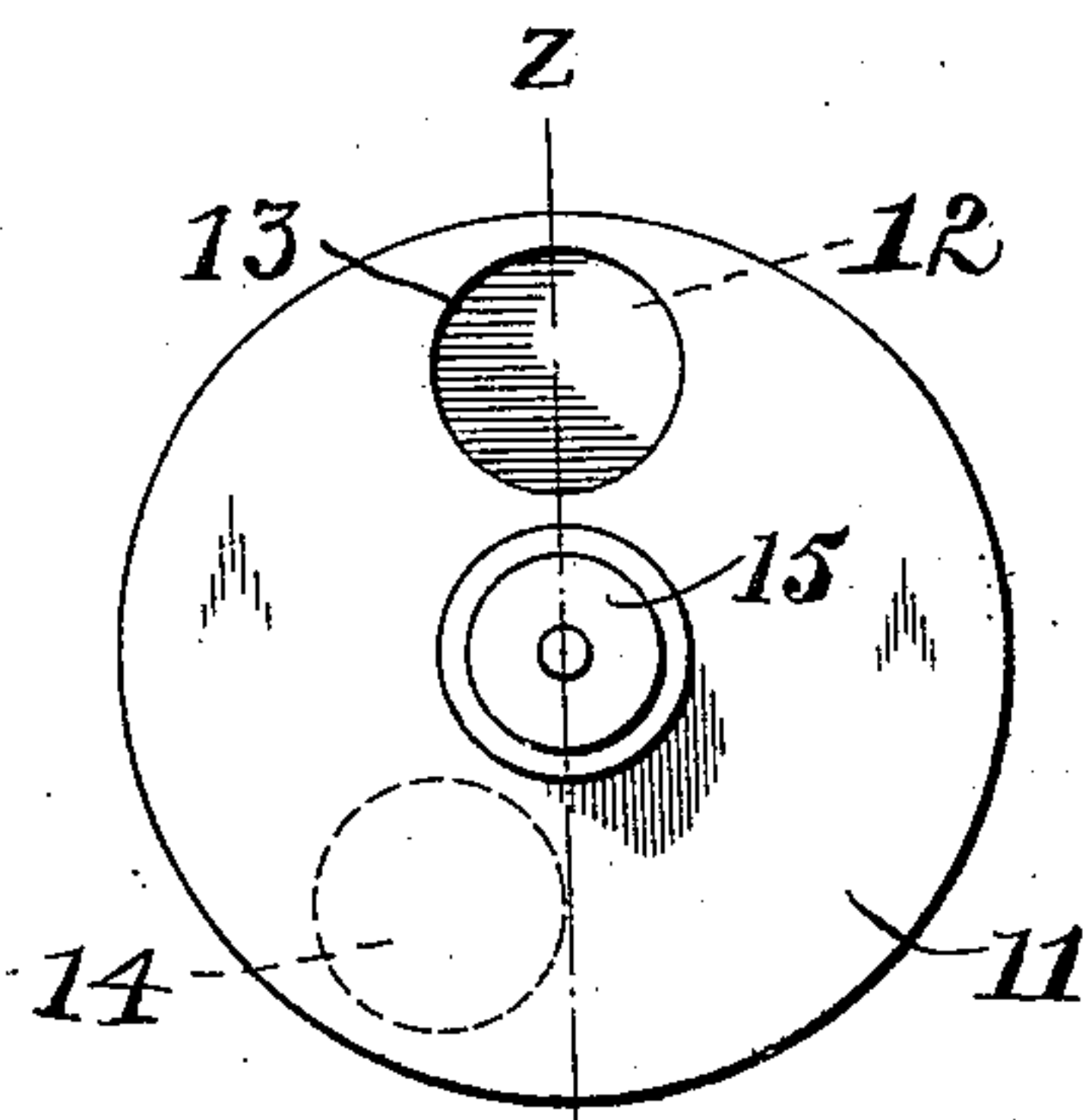


Fig. 2.

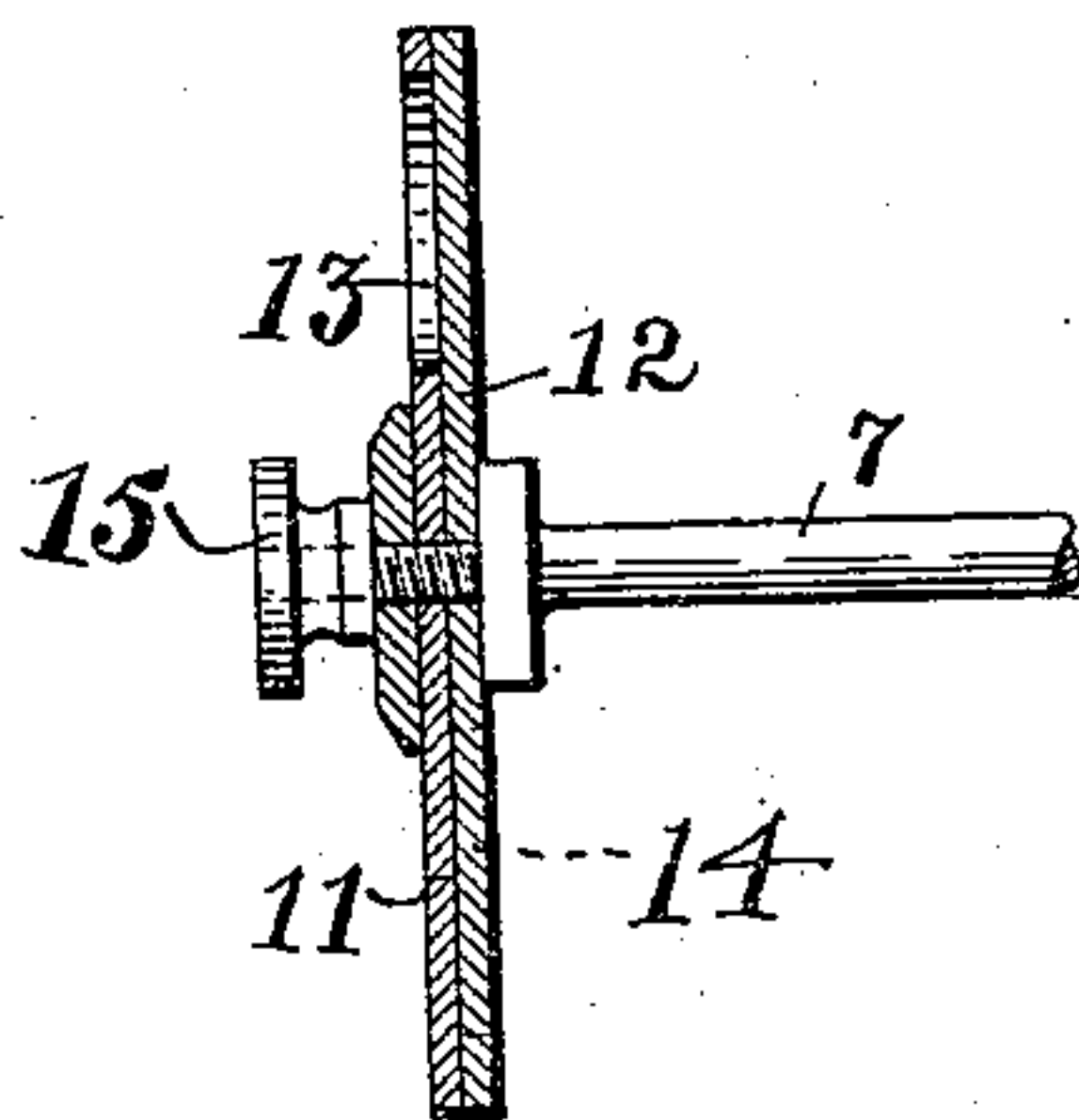


Fig. 3.

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UNITED STATES PATENT OFFICE.

JAY VAN TUYL DANIELS, OF LONDON, ENGLAND.

VIBRATING MACHINE FOR MASSAGING PURPOSES.

No. 868,534.

Specification of Letters Patent.

Patented Oct. 15, 1907.

Application filed March 14, 1904. Serial No. 198,065.

To all whom it may concern:

Be it known that I, JAY VAN TUYL DANIELS, a citizen of the United States, and residing at London, England, have invented certain new and useful Improvements in
5 Vibrating Machines for Massaging Purposes, of which the following is a specification.

The invention relates to that class of massaging machines capable of being driven by any mechanical means in which an unbalanced wheel is rotated at high
10 speed to produce the vibrations.

The invention consists of the features and of the combination and arrangements of parts hereinafter described and particularly pointed out in the claims.

The invention is illustrated in the accompanying
15 drawings in which:

Figure 1 is a side view of the device. Figs. 2 and 3 are face and central sectional views of the double fly wheel, Fig. 3 being taken on line Z—Z of Fig. 2.

In these drawings 1 is a casing having a handle 2. In
20 the casing 1 are assembled the operative parts of the device which comprises the gear wheels or pinions 3, 4, 5 and 6, the shaft 7, the bevel pinion 8 of which gears with the pinion 3 and the double fly wheel 9 on the end of the shaft 7. 10 is a crank connected with the axle of
25 the pinion 6 for rotating the train of gears.

As shown the double fly wheel 9 consists of two disks 11 and 12 having holes 13 and 14 respectively. These disks are mounted upon the shaft 7 and are held in place thereon by the thumb-nut 15. By slackening this nut
30 the disks can be turned or moved upon each other, and the relative positions of the holes 13 and 14 can be altered and thus the balance or center of gravity of the wheel changed and the intensity of the vibrations or taps thus be graduated at will.

In operation any suitable part of the casing 1 may be 35 rested or pressed upon the part of the body to be massaged. The operator holds the device in one hand by means of the handle 2 and with the other hand he turns the crank 10, which by means of the train of gears rotates the shaft 7 and the fly wheel 9 which being of 40 greater weight on one side than upon the other imparts vibrations to the casing which are transmitted to the body of the patient. If desired a contact plate may be connected to the casing and this plate instead of the casing itself is placed on the part of the body. As this 45 contact plate is well known and forms no part of my invention I have not illustrated it.

What I claim and desire to secure by Letters Patent is:—

1. In a machine of the class described, a disk mounted 50 upon a revoluble shaft the center of gravity of which is non-incident to the axis of the shaft, a second disk mounted upon the same shaft of like character, means for varying the positions of the center of gravity of the two disks relative to one another and for rigidly securing the two 55 disks to the shaft in any desired position, substantially as shown and described.

2. In a machine of the class described, a frame, a revoluble shaft mounted in the frame, a disk of solid metal having a large hole on one side between the axis and the 60 periphery to alter the center of gravity thereof, a like disk mounted upon the shaft with the flat face thereof abutting against the face of the first disk, and means for securing the two disks rigidly together and to the shaft in any desired position so as to vary the position of the two holes 65 thereof, substantially as shown and described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

JAY VAN TUYL DANIELS.

Witnesses:

WALTER J. SKERTEN,
G. F. WARREN.