

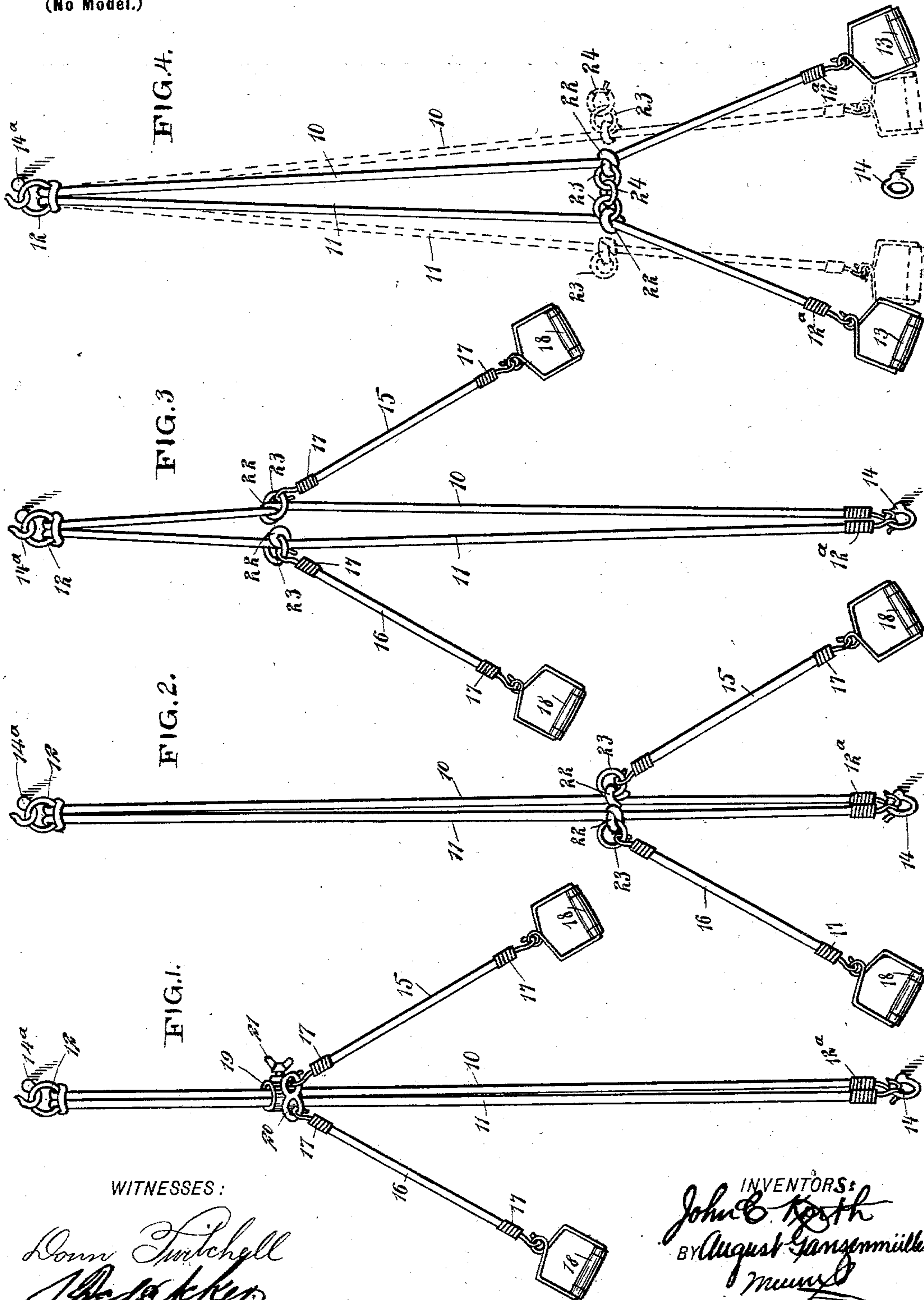
No. 704,840.

Patented July 15, 1902.

J. C. KORTH & A. GANZENMÜLLER.
EXERCISING MACHINE.

(Application filed Feb. 24, 1900.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN C. KORTH AND AUGUST GANZENMULLER, OF NEW YORK, N. Y.

EXERCISING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 704,840, dated July 15, 1902.

Application filed February 24, 1900. Serial No. 6,338. (No model.)

To all whom it may concern:

Be it known that we, JOHN C. KORTH and AUGUST GANZENMULLER, citizens of the United States, and residents of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Exercising-Machine, of which the following is a full, clear, and exact description.

Our invention relates to that class of exercising-machines in which elastic cords are employed in connection with handles and a support.

The purpose of the invention is to so construct an exerciser of the character named that it may be used in like manner as the ordinary simple or traveler's exerciser and to provide means whereby said exerciser may be used with good effect as a chest-expander or arranged to bring into action many prominent and minor muscles which could not be benefited by similar machines of the usual type.

It is a further purpose of the invention to provide means which enables the body-cords of the exerciser to be drawn upon at any desired point in their length and which will also enable the body-cords to be used either single or double.

Another purpose of the invention is to dispense with the use of pulleys.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of one form of the improved machine. Fig. 2 is a front elevation of the machine, in which slight changes are shown in some of the parts. Fig. 3 is a view similar to Fig. 2, illustrating the handles as nearer the top of the body; and Fig. 4 is a front elevation of the machine, illustrating its use as an ordinary traveler's exerciser in dotted lines and showing an additional use of said exerciser in positive lines.

The body of the machine resembles that of the ordinary simple or traveler's exerciser in that the body consists mainly of two

strands 10 and 11, of elastic cord, connected at the top by a ring 12 and provided at the front ends with couplings 12^a, to which couplings handles 13 are applied, or the couplings are capable of being attached to a ring, hook, or loop 14, attached to a support, when the upper ring 12 of the body is attached to a hook or loop 14^a, and under this arrangement the body strands or members of the exerciser are secured at both top and bottom, and it is within the object of the invention to draw outward from the body at a point between its ends.

It is especially desirable that the operator may draw from the body at various points, so that the body may be made to offer more or less resistance. To this end an adjustable attachment is provided for the body of the exerciser, to which short sections 15 and 16 of elastic cord are removably attached. These sections 15 and 16 are provided with couplings at both of their ends, one coupling of each additional strand of elastic cord being adapted for connection with the body, and the couplings at the opposite ends of said additional cords 15 and 16 are arranged for attachment to handles 18.

In Fig. 1 a sleeve 19 is shown mounted to slide upon both strands or members 10 and 11 of the body, and the said sleeve is provided with eyes 20, with which the couplings 17 of the added or auxiliary strands are connected, and the sleeve is held at any desired point in the length of the body by a set-screw 21 or its equivalent, whereas in Fig. 2 a slip-knot or a noose 22 is formed in each member or strand 10 and 11 of the body, and a ring 23 is carried by each knot. By moving the rings up or down along the body the knots will correspondingly change position, so that the added or auxiliary strands 15 and 16 when connected with the rings 23 may be adjusted up or down, as occasion may demand or to accommodate the position of the operator or enable certain movements to be obtained which would otherwise be unattainable.

Thus it will be observed that the device may be so constructed that both of the strands of the body may be simultaneously brought into action or that the strands may be used singly and that side movement is obtainable under all forms of the machine when the auxiliary

strands 15 and 16 are added. When the body strands or members are connected and the body is held at top and bottom, the auxiliary strands 15 and 16 may be used to much advantage in exercising the muscles of the chest and expanding the same.

The exerciser may be used without the auxiliary strands 15 and 16 and the muscles of the chest still be brought into play—namely, when the machine is in the form of a traveler's exerciser—as the knots 22 and the rings 23 remain upon the body-strands, and these rings may be connected at any time by a link preferably in the form of a split ring 24, as shown in Fig. 4, thus tying the body-strands together at a desired point in the length of the body, and when the handles are attached to the lower ends of the body-strands, the said ends being free, the handles may be drawn outward or toward the person or may be moved sidewise, according to the muscles to be brought into action.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. In an exercising-machine, two elastic cords provided at one end with means for attachment to an elevated support, said cords extending normally downwardly from the support and parallel with each other, and each provided at its free end with a handle, and between its handle and point of support, with an eye adjustable thereon, and a link having a detachable engagement with the eyes of the cord, said eyes and link serving to tie the cords together at any desired point in their length, as and for the purpose set forth.

2. In an exercising-machine, two elastic cords provided at one end with means for attachment to a support, said cords normally extending downwardly from the support and parallel with each other, and each provided at its free end with a handle and intermediate of its ends with a ring secured thereto, and a split link engaging the rings of the said cords, substantially as described.

3. In an exercising-machine, two elastic cords provided at one end with means for attachment to an elevated support, said cords normally extending downwardly from the support parallel with each other, and each pro-

vided with a coupling at its lower end, eyes movable up and down on the cords between their point of support and their lower ends, means for connecting the eyes together to tie the cords together and hold them in close proximity to each other, and means for adjustably securing the said eyes on the cords whereby the cords can be tied together at any desired point in their length, substantially as described.

4. In an exercising-machine, two elastic cords each having one end fixedly secured to a device, by means of which the cords are connected with an elevated support, said cords normally extending downwardly parallel with each other and each provided with a coupling at its other end, and rings intermediate of the ends of the cords and adjustable up and down on said cords, as set forth.

5. In an exercising-machine, two elastic cords each having one end fixedly secured to a ring for engagement with an elevated support, said cords normally extending downwardly parallel with each other and each provided with a coupling at its other end, and intermediate of its ends with a ring adjustable thereon, as set forth.

6. In an exercising-machine, two elastic cords, each having one end fixedly secured to a support and provided at its other end with a coupling, said cords normally extending downwardly parallel with each other, rings movable up and down on the cords, and handles connected with said cords, substantially as herein shown and described.

7. In an exercising-machine, two elastic cords secured to a support so as to be independent of one another and extending downwardly parallel with each other, handles connected with the cords, and a connection between the cords intermediate of their ends, said connection being adjustable up and down on said cords, as set forth.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

JOHN C. KORTH.

AUGUST GANZENMULLER.

Witnesses:

J. FRED. ACKER,

JNO. M. RITTER.