

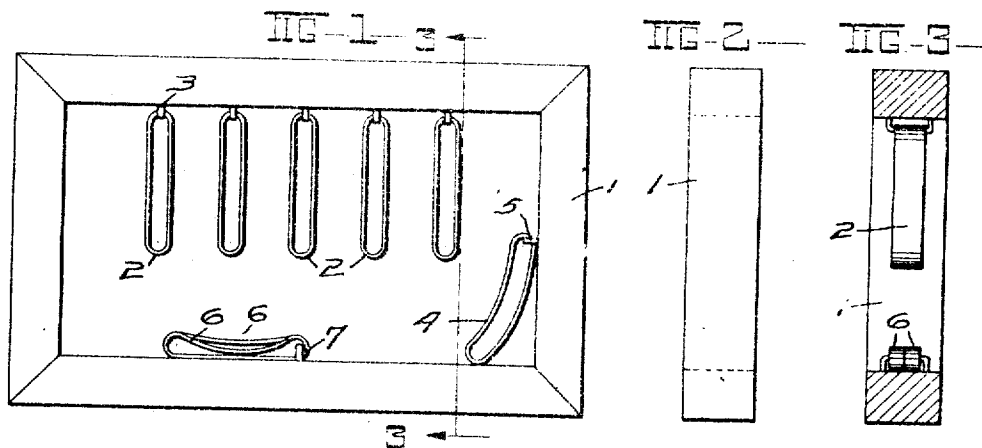
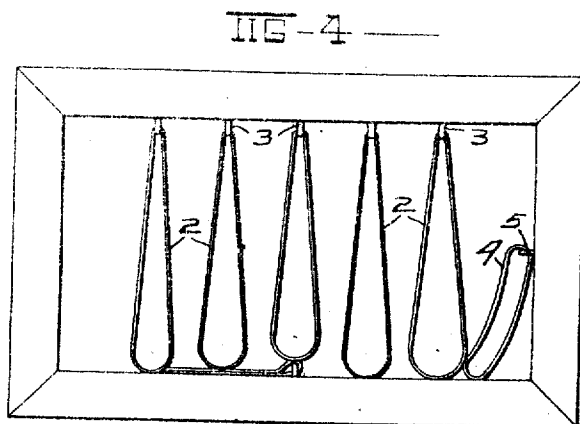
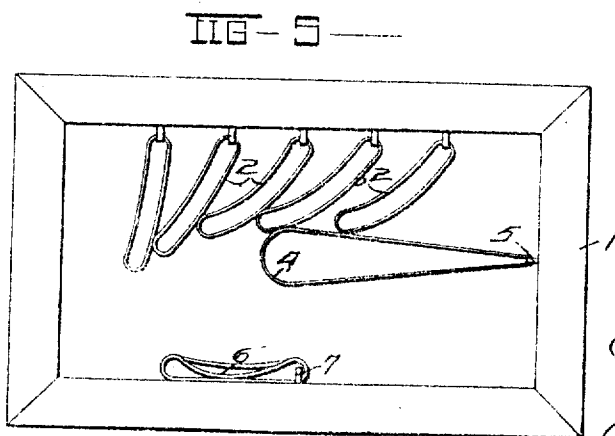
Nov. 6, 1923.

1,472,906

C. R. GORRELL

FINGER EXERCISER

Filed April 27, 1922



INVENTOR  
Charles R. Gorrell  
by  
Owen, Owen & Lampton

## UNITED STATES PATENT OFFICE.

CHARLES R. GORRELL, OF TOLEDO, OHIO.

FINGER EXERCISER.

Application filed April 27, 1922. Serial No. 556,844.

*To all whom it may concern:*

Be it known that I, CHARLES R. GORRELL, a citizen of the United States, and a resident of Toledo, in the county of Lucas and State of Ohio, have made an Invention Appertaining to a Finger Exerciser; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this specification.

My invention has for its object to provide a simple and efficient finger exercising device to increase by repeated use of the device the muscular strength of the fingers of players of musical instruments of different kinds.

Structures containing the invention may partake of different forms and differ in their details. To illustrate a practical application to extend to near the center of the frame. a structure containing the invention and shall describe it hereinafter. The structure selected is shown in the accompanying drawings.

Figure 1 of the drawings illustrates a front view of the device. Fig. 2 illustrates an edge view. Fig. 3 illustrates a vertical sectional view taken on the line 3—3 indicated in Fig. 1. Fig. 4 illustrates the position of parts of the device when used in a certain way. Fig. 5 illustrates the position of parts of the device when another exercise is taking place.

In the figures illustrates the frame of the exerciser. The frame may partake of any form. As shown, it is an oblong frame, and it is provided with a plurality of rubber elastics 2 that are connected to the frame by any suitable means, such as by the staples 3. In the form shown, the elastics are suspended from the top of the frame. Other elastics may be secured to other parts of the frame, such as the elastic 4 may be secured to one of the sides by means of the staple 5, and one or more elastics 6 may

be secured to the bottom of the frame by the staple 7.

In the use of the device the ends of one or more of the fingers, including the thumb, may be inserted in the elastic rubber bands and the fingers moved from the point at which the band is secured in any direction within the area of the interior of the frame, as for example, the fingers may be inserted in the elastic band suspended from the top of the frame and the fingers depressed or moved diagonally, and in so doing the muscles are exercised by overcoming the elasticity of the bands in order to stretch them the required distance. The frame is preferably constructed so as to have considerable depth in order that it will be sustained on one side notwithstanding the manipulation of the fingers operating to stretch the bands. The fingers may also be inserted in the bands secured to the bottom of the frame to exercise the muscles utilized in raising the fingers. Also any one of the fingers may be inserted in the elastic band secured to the side of the frame to exercise the muscles that produce lateral movement of the fingers. Muscles that produce rotation of the wrists may also be exercised by inserting the fingers in one or more of the bands and moving the entire hand while the fingers are held against movement caused by the elasticity of the bands that are being stretched by such movement of the wrist.

I claim:

In a finger exerciser, a rectangular frame having considerable thickness for readily supporting the frame on one side edge, a plurality of elastic bands connected to the upper side of the frame and depending therefrom to near the center of the frame, and an elastic band secured to one end of the frame near the center of the end and on the inside of the frame and of a length to extend to near the center of the frame.

In testimony whereof, I have hereunto signed my name to this specification.

CHARLES R. GORRELL.

**Certificate of Correction.**

It is hereby certified that in Letters Patent No. 1,472,906, granted November 6, 1923, upon the application of Charles R. Gorrell, of Toledo, Ohio, for an improvement in "Finger Exercisers," an error appears in the printed specification requiring correction as follows: Page 1, line 24, strike out the words and period "to extend to near the center of the frame." and insert instead the syllable and words *plication of the invention I have selected*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 14th day of October, A. D. 1924.

[SEAL.]

KARL FENNING,  
*Acting Commissioner of Patents.*