

S. M. Barnett,

Exercising Mach.

No. 113,384.

Patented Apr. 4, 1871.

Fig. 1.

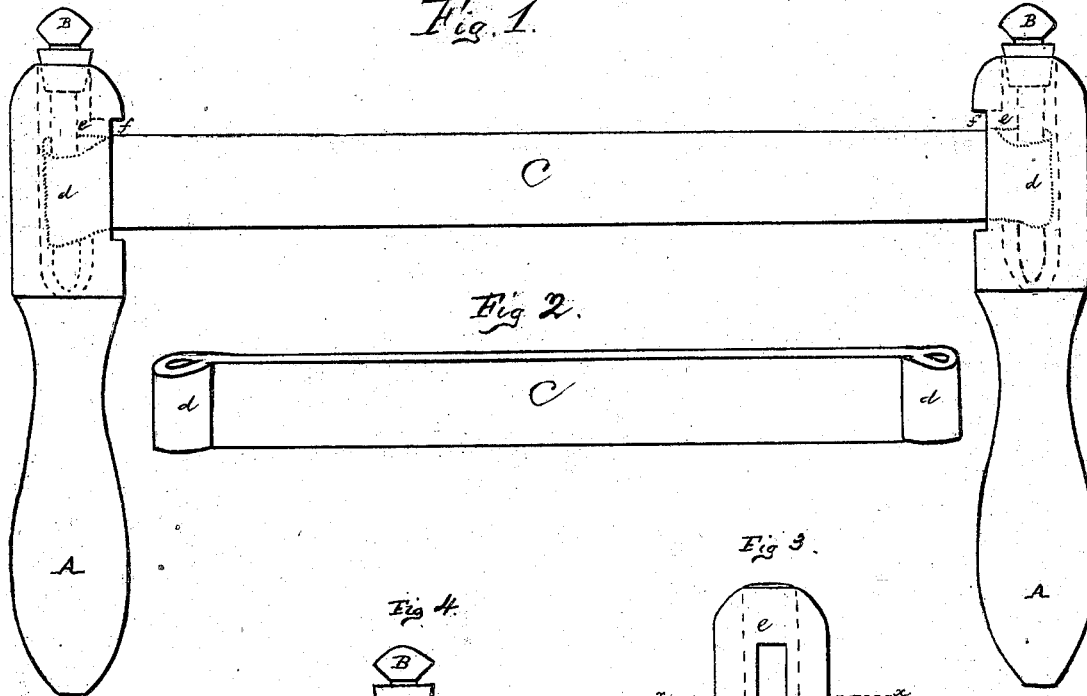


Fig. 2.

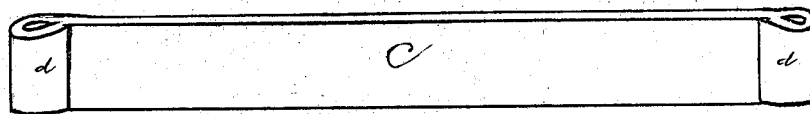


Fig. 3.

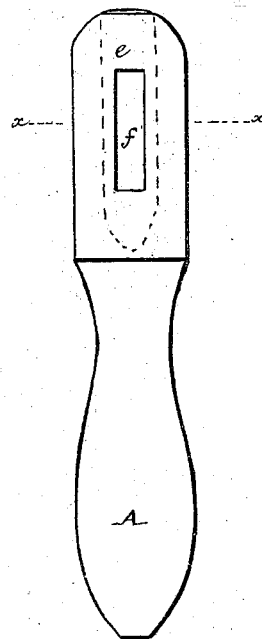
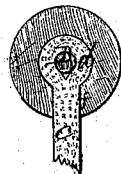


Fig. 4.



Fig. 5.



Witnesses

Chas. H. Smith

Geo. A. Davis

Inventor

Samuel B. Barnett

UNITED STATES PATENT OFFICE.

SAMUEL M. BARNETT, OF NEW YORK, N. Y.

IMPROVEMENT IN CHEST-EXPANDERS.

Specification forming part of Letters Patent No. **113,384**, dated April 4, 1871.

To all whom it may concern:

Be it known that I, SAMUEL M. BARNETT, of the city and State of New York, have invented certain Improvements in Chest-Expanders, of which the following is a specification.

My invention relates to the mode of attaching the rubber or elastic band to the handles by means of a pin, a cylindrical chamber, and groove, thereby allowing one or both ends of the band to be detached when necessary, the same being an improvement upon the device shown in Letters Patent granted to me February 5, 1867, No. 61,702.

Figure 1 is a side elevation of the apparatus when complete, embodying my invention, and showing its mode of attachment. Fig. 2 is a view of the elastic band, showing the loops at each end. Fig. 3 is an elevation of the handle, showing its cylindrical chamber and groove. Fig. 4 is a pin belonging thereto; and Fig. 5 is a cross-section at the line *x x*, Fig. 3.

A is the handle, and B the pin, all of which may be made of wood or other suitable material, and of any convenient size or form.

e is the elastic band; *d*, the loop at each end

of the band; *e*, the cylindrical chamber, bored through the upper half of the handle; and *f* is the groove or opening in front.

When required for use, as shown in Fig. 1, the loops *d d* of the band C are inserted into the handles A A through the grooves *f f*, and the pins B B are then passed down the cylindrical chambers *e e* and through the loops *d d*, thus holding them securely in their places in the handles. By this means the apparatus is rendered light and portable, as well as convenient for a variety of exercises, and the elastic band can by this contrivance be changed for a weaker or stronger one, and if the rubber should become imperfect or broken a more perfect one can be substituted.

I claim as my invention—

The handles A A, with their cylindrical chambers *e e*, grooves *f f*, and pins B B, substantially as and for the purpose hereinbefore set forth.

Signed by me this 2d day of March, A. D. 1871.

SAMUEL M. BARNETT.

Witnesses:

CHAS. H. SMITH,
GEO. T. PINCKNEY.