No. 715,530. Patented Dec. 9, 1902.

T. WALLACE.

HORIZONTAL BAR.

(Application filed Sept. 10, 1902.)

(No Model.)

Fig. 1.

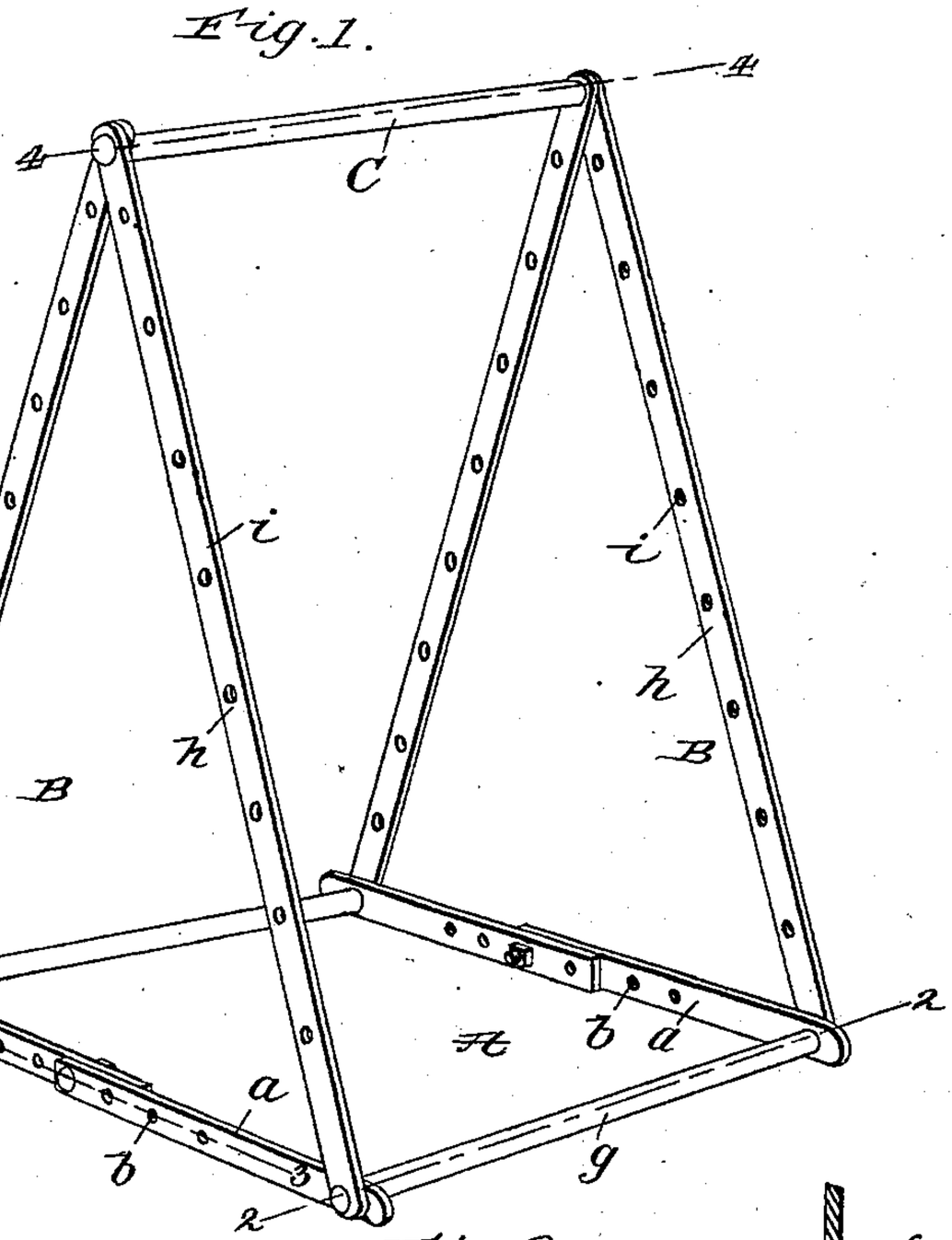


Fig. 2.

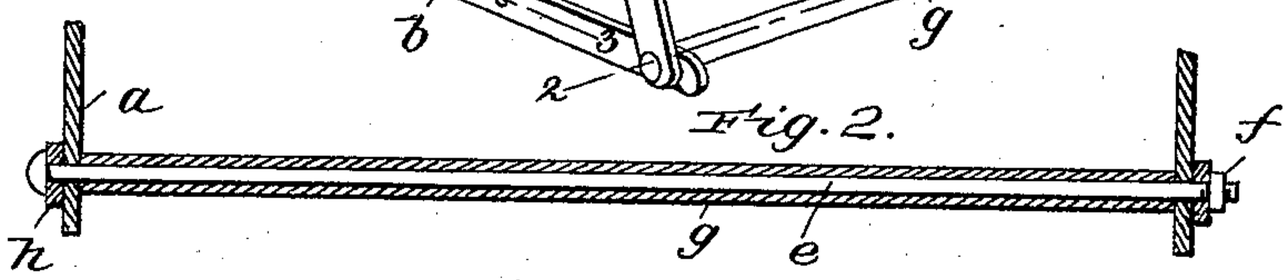


Fig. 3.

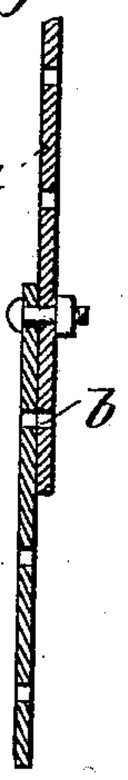


Fig. 4.

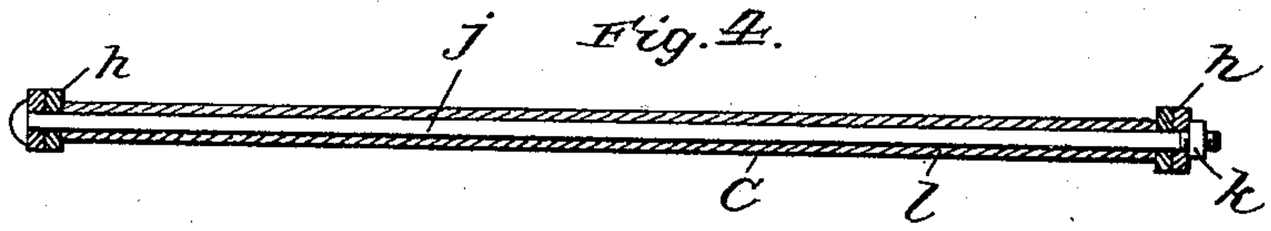
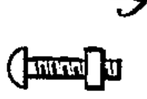


Fig. 5.



Witnesses
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UNITED STATES PATENT OFFICE.

THOMAS WALLACE, OF WHEELING, WEST VIRGINIA.

HORIZONTAL BAR.

SPECIFICATION forming part of Letters Patent No. 715,530, dated December 9, 1902.

Application filed September 10, 1902. Serial No. 122,894. (No model.)

To all whom it may concern:

Be it known that I, THOMAS WALLACE, a citizen of the United States, residing at Wheeling, in the county of Ohio and State of West Virginia, have invented new and useful Improvements in Horizontal Bars, of which the following is a specification.

My invention relates to gymnasium appliances; and it consists in a peculiar horizontal bar, the novelty, utility, and practical advantages of which will be fully understood from the following description and claims when taken in conjunction with the accompanying drawings, in which—

Figure 1 is a perspective view of my improved horizontal bar as it appears when set up ready for use. Fig. 2 is an enlarged section taken in the plane indicated by the broken line 2 2 of Fig. 1. Fig. 3 is an enlarged detail section taken in the plane indicated by the broken line 3 3 of Fig. 1. Fig. 4 is a section taken in the plane indicated by the broken line 4 4 of Fig. 1, and Fig. 5 is an enlarged view illustrating one of the bolts employed and its nut.

Similar letters of reference designate corresponding parts in all of the views of the drawings, referring to which—

A is the base of my improved horizontal bar.

B B are uprights which rise from the base, and C is the bar proper, which is supported by the uprights.

The base A is rectangular in form and is made up of side bars and end bars. The said side bars respectively comprise two lapped sections *a*, preferably of wood, having transverse apertures *b* at intervals in their length, and a removable bolt *c* and nut *d* connecting said sections, while the end bars are each formed by a long bolt *e*, which extends through the side bars and has a head at one end and a thread at its opposite end, a nut *f* on the threaded end of the bolt, and a metallic tube *g* mounted on the bolt. The tubes *g* are interposed between the side bars, and hence serve to hold the same apart.

The uprights B are respectively made up of inclined bars *h*, preferably of wood, which are connected to the bolts *e* of base A, preferably at the outer sides of the side bars of said base, and are connected together at their upper ends. Said bars *h* in the preferred embodiment of the invention are provided at intervals in their length with apertures *i*, for a purpose hereinafter explained.

The bar proper, C, is formed by a long bolt *j*, which extends through and connects the lapped ends of the bars *h* of the two uprights C and has a head at one end and a thread at its opposite end, a nut *k* on the threaded end of the bolt, and a metallic tube *l* mounted on the bolt. Said tube *l* is interposed between the upper portions of the two uprights B, and consequently is enabled to hold the same against inward movement.

When it is desired in practice to lower the bar proper, C, of my improved appliance, so as to adapt it for the use of a child, the same may be readily accomplished by lengthening the side bars of the base A, while to raise the said bar proper it is simply necessary to shorten the side bars of base A.

When one of the long bolts *e* of the base A is removed, the horizontal bar may be readily folded, so as to take up but a minimum amount of space in a gymnasium or other room, while when both of the bolts *e* and the bolt *j* are removed the several parts may be arranged in a compact bundle in storage or shipment.

When the device is set up ready for use, as shown in Fig. 1, the bar proper, C, is supported in a stable manner, and yet in virtue of the lightness of the device it may be readily moved from one point to another in a gymnasium or other room.

I prefer to provide the apertures *i* in the bars *h* of the uprights B in order that the bar proper, C, may be readily secured at various heights to suit a child without the necessity of adjusting the side bars of the base A in the manner before described. When the bar proper is removed from the position shown and its bolt *j* is secured in alined apertures *i* of the uprights B, I connect the upper lapped ends of the bars *h* by bolts and nuts, such as shown in Fig. 5.

I have entered into a detailed description of the construction and relative arrangement of the parts embraced in the present and preferred embodiment of my invention in order to impart a full, clear, and exact understanding of the same. I do not desire, however,

to be understood as confining myself to such specific construction and arrangement of parts, as such changes or modifications may be made in practice as fairly fall within the scope of my invention as claimed.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A horizontal bar comprising a base made up of sections adjustably connected together, whereby it may be lengthened or shortened, and uprights formed respectively of bars pivotally connected to the sections of the base, and also pivotally connected together.

2. A horizontal bar comprising a base having extensible side bars, and end bars formed by bolts and tubes thereon, and uprights formed respectively of bars pivotally connected to the bolts of the base, and also pivotally connected together.

3. In a horizontal bar, a base comprising side bars made up of lapped sections having apertures at intervals in their length, and removable bolts connecting said sections, and end bars formed by bolts and tubes thereon, and uprights formed respectively of bars pivotally connected to the bolts of the base, and also pivotally connected together.

4. In a horizontal bar, a base comprising side bars made up of lapped sections having apertures at intervals in their length, and removable bolts connecting said sections, and end bars formed by bolts and tubes thereon, uprights formed respectively of bars pivotally connected to the bolts of the base, and having transverse apertures at intervals in their length, a horizontal bar proper pivotally connecting the bars of the uprights together, and resting between said uprights, and means for connecting the upper ends of the uprights when the bar proper is placed in lower apertures thereof.

5. A horizontal bar comprising a base, uprights formed respectively of bars pivotally connected to the base, and having transverse apertures at intervals in their length, a horizontal bar proper pivotally connecting the bars of the uprights together, and resting between said uprights, and means for connecting the upper ends of the uprights when the bar proper is placed in lower apertures thereof.

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

THOMAS WALLACE.

Witnesses:
ED W. WESTWOOD,
SAML. NESBITT, Jr.