April 1, 1941. C. B. CAMERON 2,236,935

VAULTING STANDARD ADJUSTING APPARATUS

Filed June 12, 1940 2 Sheets-Sheet 1

Fig. 3.

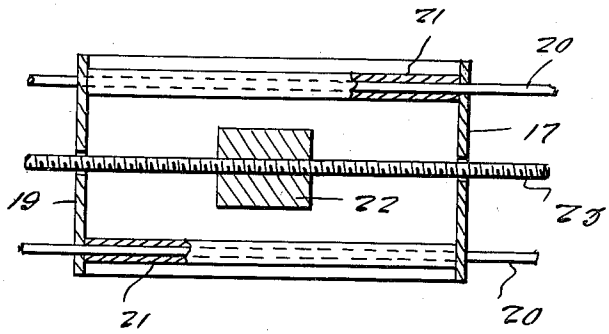
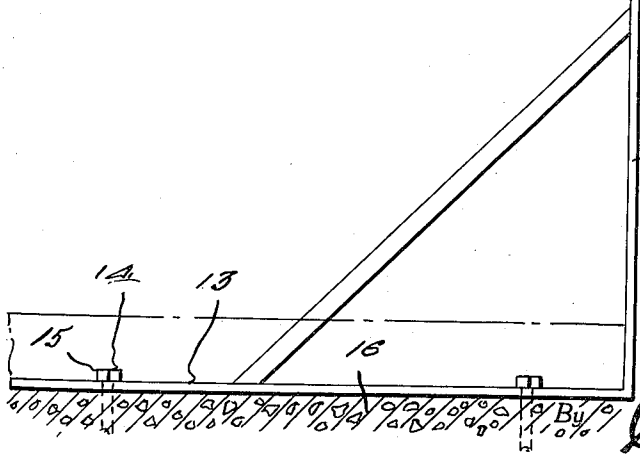


Fig. 1.



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Filed June 12, 1940 2 Sheets-Sheet 2

Fig. 2.

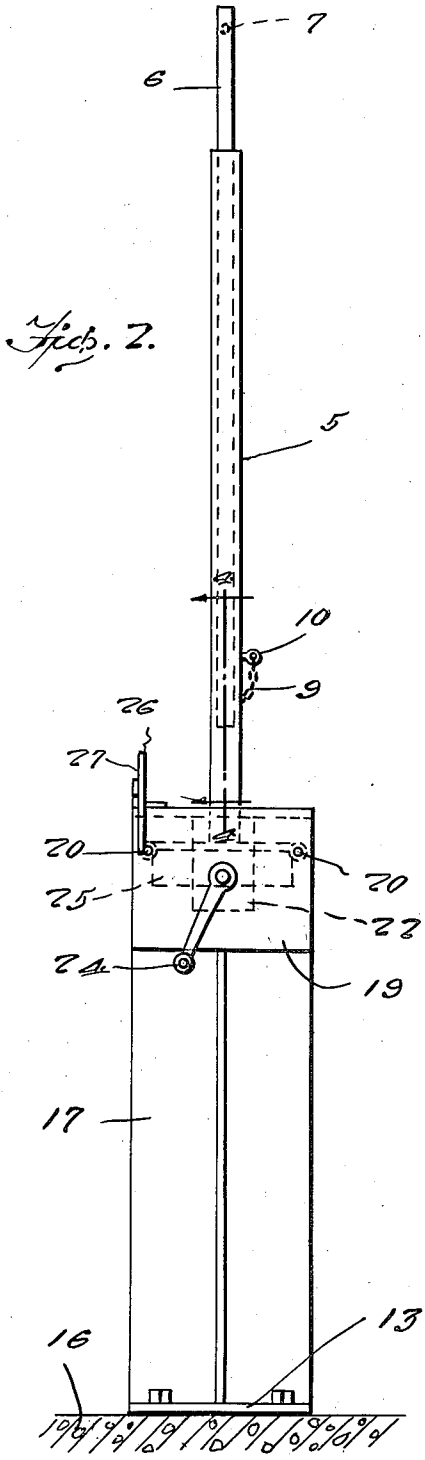


Fig. 4.

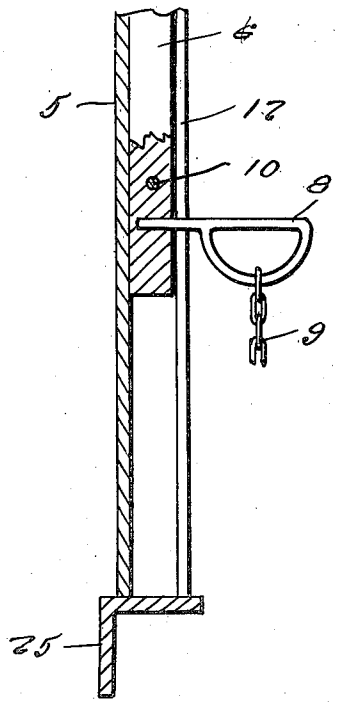
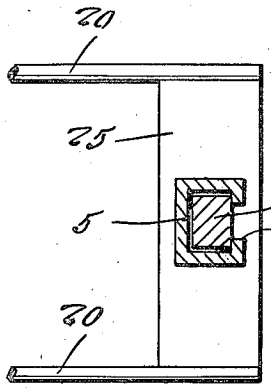


Fig. 5.



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UNITED STATES PATENT OFFICE

2,236,935

VAULTING STANDARD ADJUSTING APPARATUS

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Application June 12, 1940, Serial No. 340,183

4 Claims. (Cl. 272—59)

This invention appertains to new and useful improvements in athletical equipment and more particularly to improvements in vaulting standards. It is recognized at present that one of the principal reasons why numerous vaulting records have been broken in recent years is due mainly to the fact that the vaulting standards are positioned at the proper distance from the vaulting position for the individual vaulters.

The principal object of the present invention is to provide means whereby the standards can be adjusted in a horizontal direction without moving the ground engaged or anchored bases thereof.

Another important object of the invention is to provide vaulting standard adjusting means which will be positive acting in operation and capable of being readily disassembled for the purpose of repair or replacement of parts.

Other objects and advantages of the invention will become apparent to the reader of the following specification.

In the drawings:

Figure 1 represents a side elevational view of a standard and the improved adjusting means.

Figure 2 is a rear elevational view of the structure shown in Figure 1.

Figure 3 is an enlarged fragmentary detailed sectional view taken substantially on the line 3—3 of Figure 1.

Figure 4 is a fragmentary detailed sectional view taken substantially on the line 4—4 of Figure 2.

Figure 5 is a fragmentary detailed sectional view taken substantially on the line 5—5 of Figure 1.

Referring to the drawings wherein like numerals designate like parts, it can be seen in Figure 1, that numeral 5 denotes the usual upright guide in which a slide 6 is adjustable with its upper end extending upwardly to the desired position and provided with a laterally disposed pin 7 for the purpose of supporting one end of a horizontal bar (not shown).

The conventional structure further consists in the provision of an eye member 8 at the lower end of the slide 6 and from which extends a chain 9 carrying a pin 10 at its outer end which is insertable into registering openings 11 in the guide 5 and slide 6, to hold the slide 6 in proper vertically adjusted position. It will be observed from Figure 4, that the eye 8 slides in a slot 12 of the guide 5, obviously to prevent rotation of the slide 6.

In carrying out the present invention, a base member 13 is formed with openings through which anchoring bolts 14 extend and which are equipped with nuts 15. Thus the plate 13 can be secured to a cement anchoring base 16. Extending upwardly from one end of the base 13 is the upright 17 merging with the horizontal extension 18 which terminates in a depending flange 19.

Through the upper portion of the upright 17 and through the flange 19 are slidably disposed guide rods 20, which also extend through guide sleeves 21 which are interposed between the flange 19 and upper portion of the upright 17.

Depending from the horizontal extension 18 of the upright 17 is a block 22 having a horizontally disposed and threaded bore through which extends a threaded shaft 23. The rear end of this threaded shaft 23 is equipped with a crank handle 24, while the other end is swivelly connected to the depending flange of an angle bar 25 from which rises the guide 5.

An elongated calibrated bar 26, preferably calibrated in inches, extends in parallel relation to the guide members 20 and in close proximity to the horizontal extension 18 and has leg members 27 depending and attached to one of the guide rods 20. Thus the calibrated bar 26 is carried by the horizontal slide assembly, and a pointer 28 on one end of the horizontal extension 18 terminates in close proximity to the calibrated bar 26.

Thus it can be seen that by rotating the shaft 23, the upper guide 5 can be adjusted to the desired position toward or away from the vaulting box.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having described the invention, what is claimed as new is:

1. A vaulting standard comprising a base, a horizontally adjustable carriage on the base and a horizontal bar supporting upright on the carriage, said base provided with an upright, said carriage being supported by the upright, a calibrated bar extending longitudinally of the carriage and a pointer on the upright portion of the base projecting to a position in close proximity to the calibrated bar.

2. A vaulting standard comprising a base, a horizontally adjustable carriage on the base and a horizontal bar supporting upright on the car-

riage, said base provided with an upright, said carriage being supported by the upright, a calibrated bar extending longitudinally of the carriage and a pointer on the upright portion of the base projecting to a position in close proximity to the calibrated bar, a screw shaft mounted for rotation on the upright of the base and having one end attached to the carriage.

3. A vaulting standard comprising a base, an upright on the base, said upright having a substantially inverted U-shaped head portion, a screw feedable through the leg portions of the inverted U-shaped head portion, a horizontal bar supporting upright structure carried by the screw and means for feeding the said screw.

4. A vaulting standard comprising a base, an upright on the base, said upright having a substantially inverted U-shaped head portion, a screw feedable through the leg portions of the inverted U-shaped head portion, a horizontal bar supporting upright structure carried by the screw and means for feeding the said screw, a horizontally disposed graduated bar extending from the horizontal bar supporting upright structure and in parallel relation with respect to the screw, said graduated bar being located above the inverted U-shaped head, and a pointer on the head terminating in close proximity with the head graduated bar.

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