June 10, 1930. H. E. VERPILLIER 1,762,205

DEVICE FOR STRETCHING NETS AND THE LIKE

Filed April 19, 1928

Fig. 1.

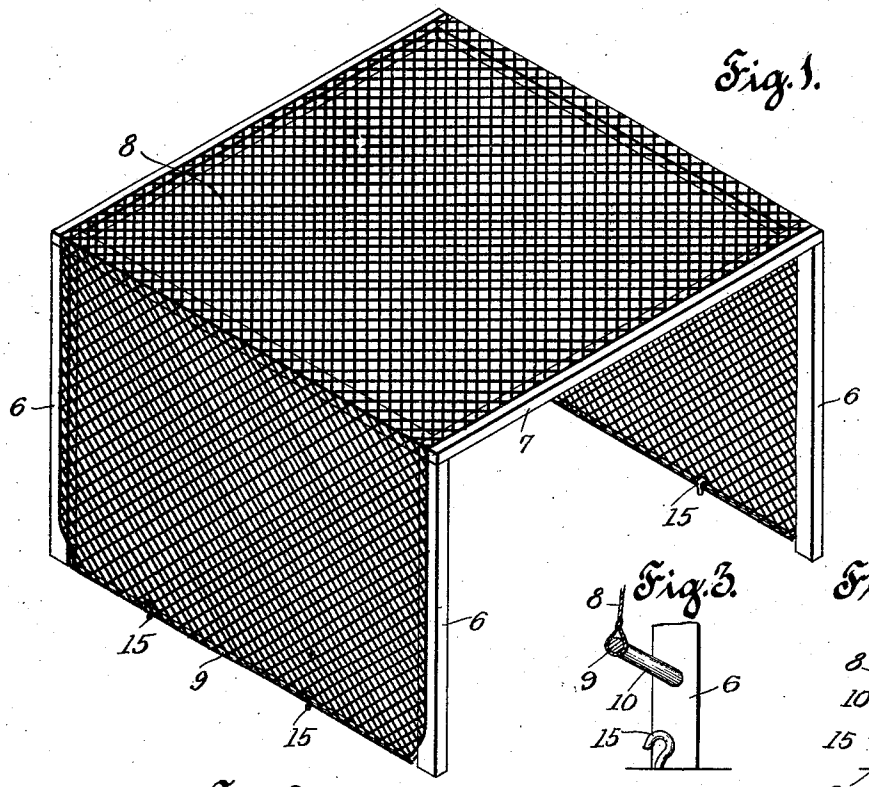


Fig. 3.

Fig. 4.

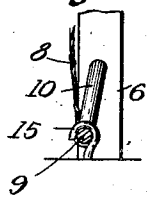


Fig. 2.

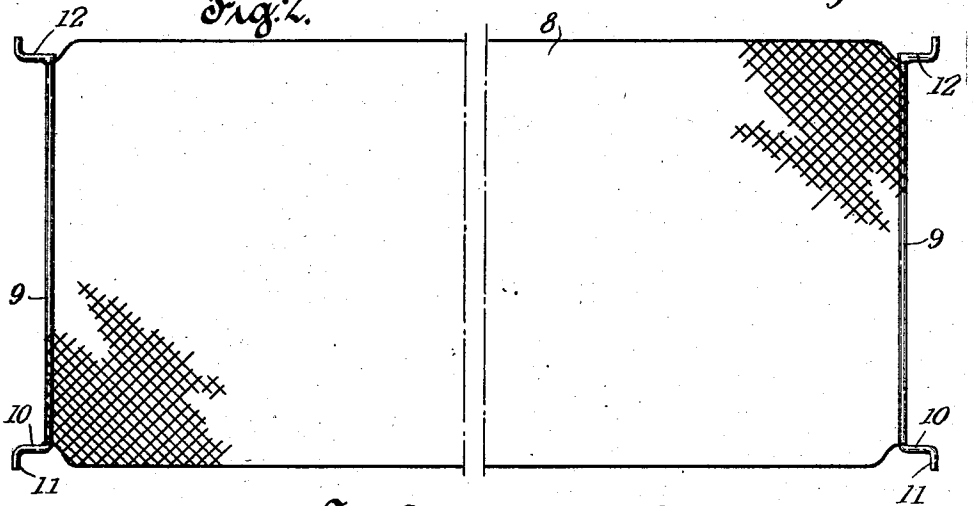
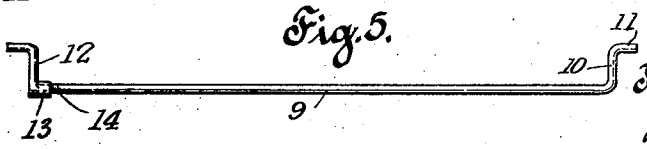


Fig. 5.



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Patented June 10, 1930 1,762,205

UNITED STATES PATENT OFFICE

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DEVICE FOR STRETCHING NETS AND THE LIKE

Application filed April 19, 1928. Serial No. 271,239.

This invention relates to nets and more particularly to devices for tightly stretching nets.

Certain apparatus for playing games indoors, such as an indoor golf game apparatus, make use of a cage which is formed by stretching athletic netting over a frame. Such netting is usually stretched over the frame and then the ends of the netting are fastened to the floor by nails or other suitable means. However, such methods of fastening the ends of the netting to the floor are laborious and tedious, and during the fastening the netting becomes slack and sags on the frame.

It is an object of this invention to provide a frame to which an end of a net may be attached and which in turn may be fastened to the floor, thus obviating the fastening of the net to the floor by nails or similar expedients.

A further object is to provide a device which will assist in tightly stretching an athletic netting over a frame and which will hold such netting in a tightly stretched condition.

A further object is to provide a device, comprising few parts, for tightly stretching nets and which may be easily manipulated and cheaply manufactured.

These and other objects are attained by the novel construction, and arrangement of parts hereinafter described and shown in the accompanying drawing, constituting a material part of this disclosure and in which:

Figure 1 is a perspective view showing an athletic netting stretched over a frame and held in a tightly stretched condition by means of my device.

Figure 2 is a plan view of a netting having each of its ends attached to one of my devices.

Figure 3 is a side view showing a net being stretched over a frame and the position of my device prior to the final stretching operation.

Figure 4 shows the position of the device after it has been used to tightly stretch a net over a frame.

Figure 5 is a plan view showing details of the stretching device.

Referring to the drawings, in Figure 1 is shown a frame such as is used in a cage for an indoor golf game apparatus, said frame having vertical posts 6 and the horizontal crossbars 7, over which athletic netting is stretched.

Each end of the net it attached to a stretching device which comprises a bar 9, having integral therewith a crank consisting of a part 10 at right angles to the bar 9, and a part 11 at right angles to part 10 and parallel with the bar 9.

In order to facilitate attaching a net to the device, one end of the bar 9 is threaded at 14 and engages the internally threaded head 13 of the detachable crank 12. Hooks 15 or other suitable means may be affixed to the floor to engage the bar 9 to hold the latter in a definite position.

In operation, the portions 11 of the cranks are inserted in recesses in the sides of posts 6, the recesses being so positioned and the net of such a length that this operation alone produces a fairly tight stretching of the net. The bars 9 are then in the position shown in Figure 3. To stretch the netting tighter, the bars 9 are then forced down until the portions 10 are parallel with the posts 6, and then the bars 9 are engaged by hooks 15 or similar means to hold the device in that position.

From the above description it will be seen that I have provided a simple device for tightly stretching nets and obviously, this device is not confined to the stretching of nets over cages of the type described herein, but may be readily employed for stretching nets on tennis courts, for example, and may be used in many situations in which it is necessary to tightly stretch a net.

The foregoing disclosure is to be regarded as descriptive and illustrative only, and not as restrictive or limitative of the invention, of which obviously an embodiment may be constructed including many modifications without departing from the general scope herein indicated and denoted in the appended claims.

Having thus described my invention, what I claim as new and desire to protect by Letters Patent is:

1. In combination with a net and a frame

having recesses, a device for stretching the net over the frame, comprising a rod connected to an end of the net, said rod having offset portions at its ends rotatably positioned in the recesses in the frame.

2. In combination with a net and a frame having recesses, a device for stretching the net over the frame, comprising rods connected to the ends of the net, and means connected to and eccentric to the rods, said means being rotatably positioned in the recesses in the frame.

This specification signed this 18th day of April, 1928.

HENRY E. VERPILLIER.