O. F. ONKEN.

DISPLAY DEVICE.

APPLICATION FILED AUG. 2, 1913.

1,220,447. Patented Mar. 27, 1917.

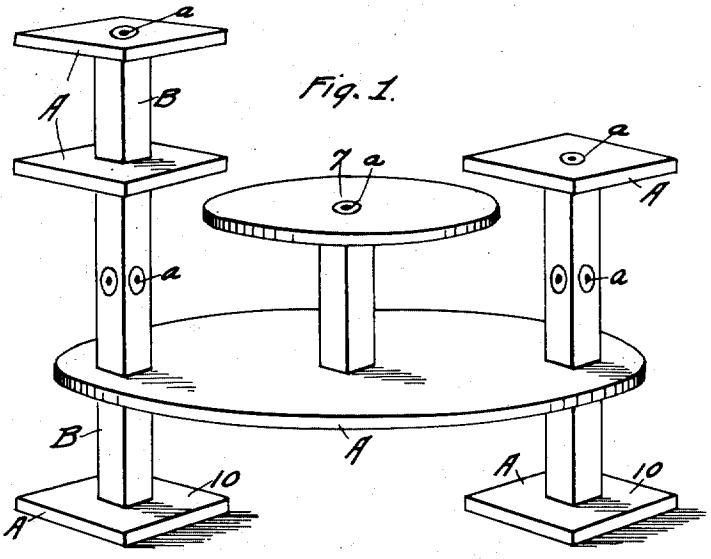


Fig. 1.

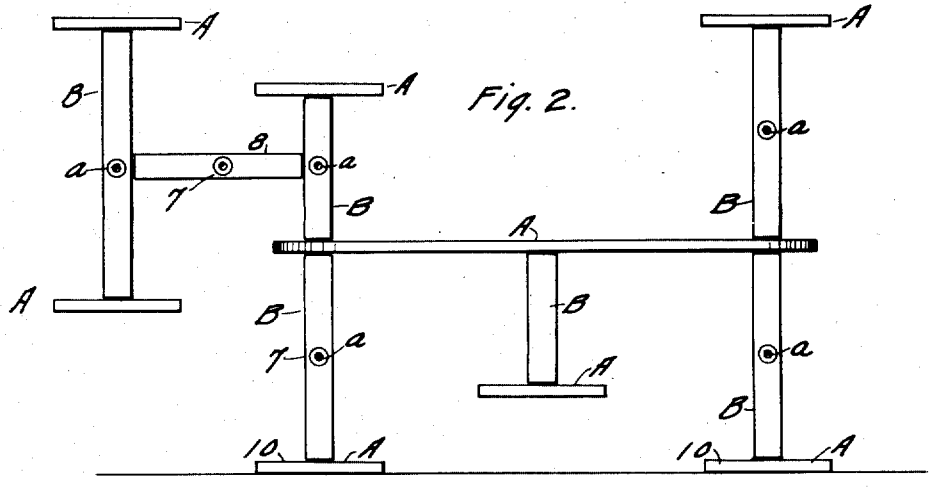


Fig. 2.

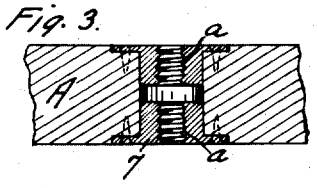


Fig. 3.

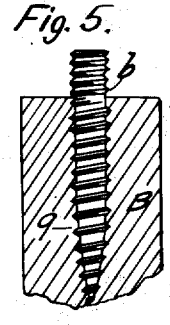


Fig. 5.

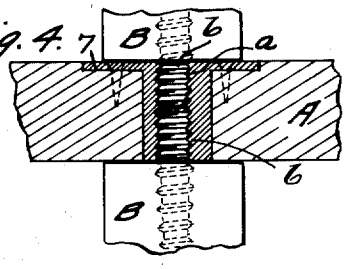


Fig. 4.

WITNESSES
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UNITED STATES PATENT OFFICE.

OSCAR F. ONKEN, OF CINCINNATI, OHIO.

DISPLAY DEVICE.

1,220,447. Specification of Letters Patent. Patented Mar. 27, 1917.

Application filed August 2, 1913. Serial No. 782,547.

To all whom it may concern:

Be it known that I, OSCAR F. ONKEN, a citizen of the United States, and residing at Cincinnati, Hamilton county, State of Ohio, have invented certain new and useful Improvements in Display Devices; and I do declare the following to be a clear, full, and exact description of the invention, attention being called to the drawing which accompanies this application and forms a part thereof.

This invention concerns display-devices adapted to serve for exhibiting goods and merchandise in stores, in show cases and in show windows.

The invention consists of the particular construction of the device as the same is hereinafter described and claimed and as illustrated in the accompanying drawing, in which:—

Figure 1, shows in perspective view the device arranged in a certain form.

Fig. 2, in side-elevation, shows the same arranged in a modified form.

Fig. 3, is an enlarged sectional view showing certain details of construction.

Fig. 4, in a similar view shows a modification of these features.

Fig. 5, shows one of the parts used in connection with my device.

The device consists substantially of shelves A which serve for supporting the goods to be exhibited and of elongated members or posts B which support these shelves.

Wood is the preferable material used. The particular arrangement and construction of these parts is such that a shelf may be detachably connected to each end of each post and a post may be detachably connected to each flat side of each shelf. A screw-connection is used in each case to effect the attachment.

The posts are preferably of prismatic form with square ends and of various lengths and the shelves are of various sizes and shapes and both are arranged in sets containing a sufficient number of each and of each size and shape. This permits the sets to be shipped in a convenient manner and readily set up where they are to be used.

How this is done may be readily understood from the drawing which shows the shelves arranged in parallel relation with the square ends of the posts seated against them.

To effect connection between the parts of a set, each post has at each of its square ends a screw-stud *b* fitted to occupy a correspondingly threaded socket *a* in the shelves, these sockets being provided on each side of each shelf and flush with the surface thereof.

By preference the sockets on one side of the shelves are alined with the sockets on the other side thereof so that two posts may be connected in alinement to a shelf, one post on each side thereof.

The sockets may be arranged as shown in Fig. 3, or they may be formed in one piece as shown in Fig. 4, and in either case flanges 7 are provided to permit attachment by means of wood-screws.

Studs and sockets are all of the same size and have the same thread, so that any post at either of its ends may be connected to any shelf and to either side thereof.

The length of the screw-studs does not exceed one half of the thickness of the shelves as shown in Fig. 4, so that the insertion of one stud in one socket on one side of the shelf does not interfere with the insertion of another stud in the socket on the other side.

The thread on the studs is a machine screw-thread and they are held in place in the ends of the posts by a wood-screw 9, which forms an extended part of the stud. In other words a device is formed with a machine screw at one end and with a wood-screw at the other end.

No particular devices are required to serve as bases for sustaining the stand in upright position, the shelves being used for this purpose as shown at 10, in Figs. 1 and 2, they being connected to the lower ends of posts which are used to serve as uprights.

Having described my invention, I claim as new:

1. A display device consisting of a set of variously sized shelves provided with perforations, screw-threaded sockets occupying these perforations and at their ends flush with both sides of the shelves and a set of prismatic post-members of various lengths having screw-studs projecting from each of their square ends, both sets being complementary to each other and adapted for interchangeable assembling and detachable connection with the square ends of the posts seated against the opposite sides of two connected shelves, in various arrangements including the connection of a plurality of shelves to a single shelf the connection be-

tween two opposite shelves being always limited to a single post.

2. A display device consisting of a set of shelves of various sizes which are connected to each other in vertically spaced parallel relation by prismatic posts, said shelves having screw-threaded sockets on both sides and the posts having square ends with screw studs projecting from them in axial direction which are adapted to be received by the sockets mentioned so that, when so connected, two shelves which are connected to each set, each post has at each of its square ends a the posts and thereby maintained in parallel relation to each other the connection between two opposite shelves being always limited to a single post.

In testimony whereof, I hereunto affix my signature in the presence of two witnesses.

OSCAR F. ONKEN.

Witnesses:
C. SPENGEL,
T. LE BEAU.

Correction in Letters Patent No. 1,220,447.

It is hereby certified that in Letters Patent No. 1,220,447, granted March 27, 1917, upon the application of Oscar F. Onken, of Cincinnati, Ohio, for an improvement in "Display Devices," an error appears in the printed specification requiring correction as follows: Page 2, claim 2, strike out line 13 and insert the words *other are always held to the square ends of;* 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 1st day of May, A. D., 1917.

[SEAL.]

R. F. WHITEHEAD,

Acting Commissioner of Patents.

Cl. 211—14.