

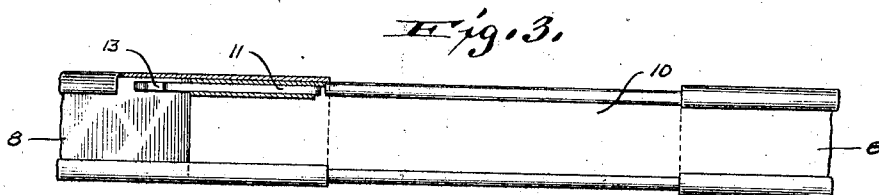
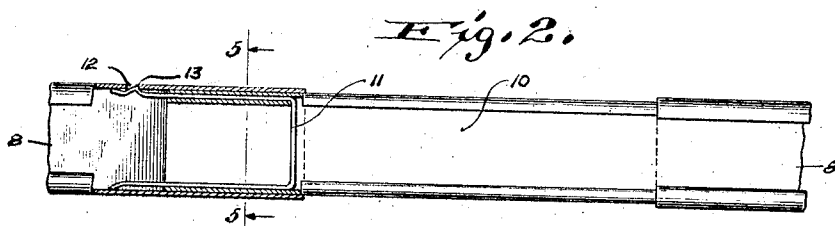
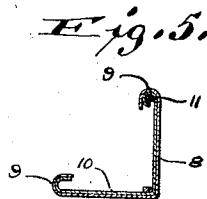
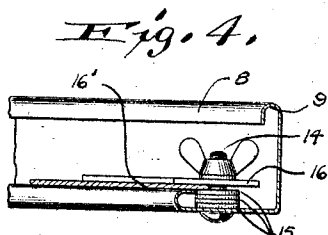
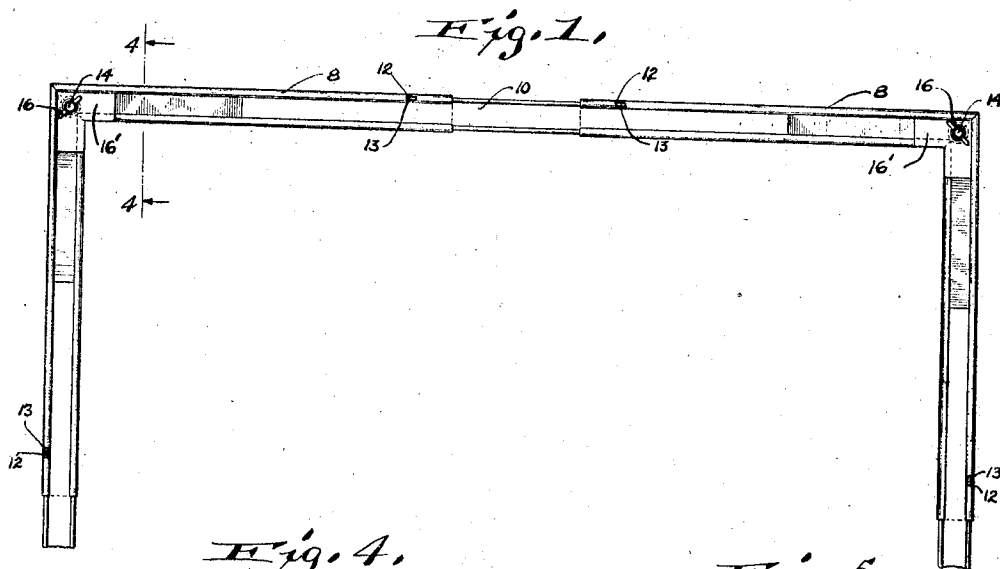
June 2, 1925

H. N. LANDAAL

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ADJUSTABLE FRAME

Filed Nov. 12, 1923



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UNITED STATES PATENT OFFICE.

HENRY N. LANDAAL, OF HORICON, WISCONSIN.

ADJUSTABLE FRAME.

Application filed November 12, 1923. Serial No. 674,238.

To all whom it may concern:

Be it known that I, HENRY N. LANDAAL, a citizen of the United States, and resident of Horicon, in the county of Dodge and State of Wisconsin, have invented new and useful Improvements in Adjustable Frames, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

This invention relates to improvements in adjustable frames, and more particularly to frames designed to hold advertising matter, posters, and the like for display purposes.

It is one of the objects of the present invention to provide a frame which may be adjusted to hold posters and advertising matter of various sizes.

A further object of the invention is to provide a device of the class described which can be used to neatly frame and support display cards by engaging the same about the edges thereof.

A further object of the invention is to provide a device of the class described in which some of the constituent parts are interchangeable.

A further object of the invention is to provide a device of the class described which is of very simple construction, is strong and durable, can be cheaply manufactured, and is well adapted for the purpose described.

With the above and other objects in view, the invention consists of the improved adjustable frame and its parts and combinations as set forth in the claims, and all equivalents thereof.

Referring now more particularly to the accompanying drawing in which the same reference characters indicate the same parts in all of the views:

Fig. 1 is a rear view of a portion of the frame;

Fig. 2 is an enlarged fragmentary view, parts being broken away and parts shown in section, of the outer flanges of the frame members, showing how the intermediate frame members are prevented from accidental withdrawal from the corner members;

Fig. 3 is an enlarged fragmentary view of the frame members, parts being broken away and shown in section;

Fig. 4 is an enlarged sectional view taken on line 4—4 of Fig. 1; and

Fig. 5 is a sectional view taken on line 5—5 of Fig. 2.

Referring to the drawings, it will be seen

that the numeral 8 indicates the corner members of the frame, there being four such members. Said members are formed of metal or any suitable material and are L-shaped, as shown, with both arm portions of equal length. In cross-section, said members are shown in Fig. 5 with rolled or turned edges 9. To be slidably received within the corner members, four elongated intermediate members 10 are provided. The cross-section of said members is similar to the corner members and said intermediate members are slightly smaller than the corner members to tightly fit within the same and are held therein by means of the rolled edges 9, as clearly shown in Fig. 5. The intermediate members are fitted within the end members so that there may be a telescopic engagement between the same. Thus, the size of the frame may be increased or decreased by telescoping the members 8 and 10 as desired. It is desirable that there be a binding engagement between the members 8 and 10 so that they will not slide too easily and so that the frame will not be changed from its adjusted position by any slight touch. To that end, springs 11 are provided for the extremities of each of the intermediate members and are confined between the edges of the outer sides of the same, as shown in Fig. 2. The end portions project beyond the extremities of members 10 and are adapted to bear against the sides of members 8. In order to prevent the accidental complete removal of the intermediate members from the corner members, the corner members are formed with slots 12 near their extremities to engage with the projecting ears 13 formed on the springs. Thus, when the corner and intermediate members are extended with respect to each other, the ears 13 will ride into said slots and prevent any further extension. If it is desired to completely remove the members it is only necessary to press inwardly on the ears to free them from the engaging slots. Also, the inclined edge of the ears permits the members to be contracted with respect to each other.

At the junction of the arms of each corner member, there is a threaded bolt 14 projecting from the back side of said members. Said bolts carry a plurality of washers 15 and an angle plate 16, formed preferably of metal and shaped as shown, said washers serving to maintain the angle plates in position even with the rolled edges of the corner

members, as clearly shown in Fig. 4. A winged nut 16 is also provided for each bolt.

In use, the poster or article to be framed is placed over the frame and then the frame is adjusted to conform with the size of the poster. Holes are then punched in each corner of the poster and the bolts 14 are passed therethrough to secure the poster to the frame. The corners of the poster will rest on the angle pieces 16' and the winged nuts are then threaded onto the bolts to bear against the poster corners and securely hold it in position. The frame may then be given a final careful adjustment to make it conform exactly with the size of the poster and to stretch the same. Thus, it will be seen that the poster is entirely surrounded by the frame and the edges of the poster will lie adjacent the outer walls of the frame so as to be concealed when the frame is reversed in its proper position for use.

From the foregoing it will be seen that the improved adjustable frame is of very simple and novel construction, and is well adapted for the purpose described.

What I claim as my invention is:

1. An adjustable frame, comprising corner sections, intermediate members having a sliding engagement with said corner sections, means carried by said intermediate members to assist in forming a binding engagement between said corner members and the intermediate members, and threaded bolts projecting from the mid-portions of the rear sides of said corner sections adapted to pass through the corners of a poster or the like to attach the same to said frame members, a nut member being further provided for each bolt.

2. An adjustable frame, comprising corner sections, intermediate members having a sliding engagement with said corner sections, means carried by said intermediate members to assist in forming a binding en-

gagement between said corner sections and the intermediate members, threaded bolts projecting from the mid-portions of the rear sides of said corner section adapted to pass through the corners of a poster or the like to attach the same to the frame members, a winged nut being provided for each bolt, and angle pieces interposable between the corner sections and the poster to be framed to correctly space the same and to bear against it when said winged nuts are clamped in position.

3. An adjustable frame, comprising L-shaped corner sections of right angular form in cross section and provided with rolled edges, the extremities of which are formed with slots, a plurality of elongated intermediate members positioned between pairs of the corner sections, said intermediate members being similar in cross section to the corner sections and slightly smaller so as to fit within the corner sections and be engaged by the rolled edges thereof to permit of telescopic adjustments between the members, U-shaped springs carried by each end of said intermediate members and projecting therefrom to bear against the sides of said corner sections, said springs having projecting portions to engage with the slots in the edges of the corner sections to limit the extension of the members with respect to each other, threaded bolts projecting from the mid-portions of the rear sides of said corner sections adapted to pass through the corners of a poster or the like to attach the same to the frame members, a winged nut being provided for each bolt, and angle pieces interposable between the corner sections and the poster to be framed to correctly space the same and to bear against it when said winged nuts are clamped in position.

In testimony whereof, I affix my signature.
HENRY N. LANDAAL.