

No. 710,797.

Patented Oct. 7, 1902.

M. NORDEN.

ADJUSTABLE FRAME FOR HOLDING ARTICLES.

(Application filed Mar. 3, 1902.)

(No Model.)

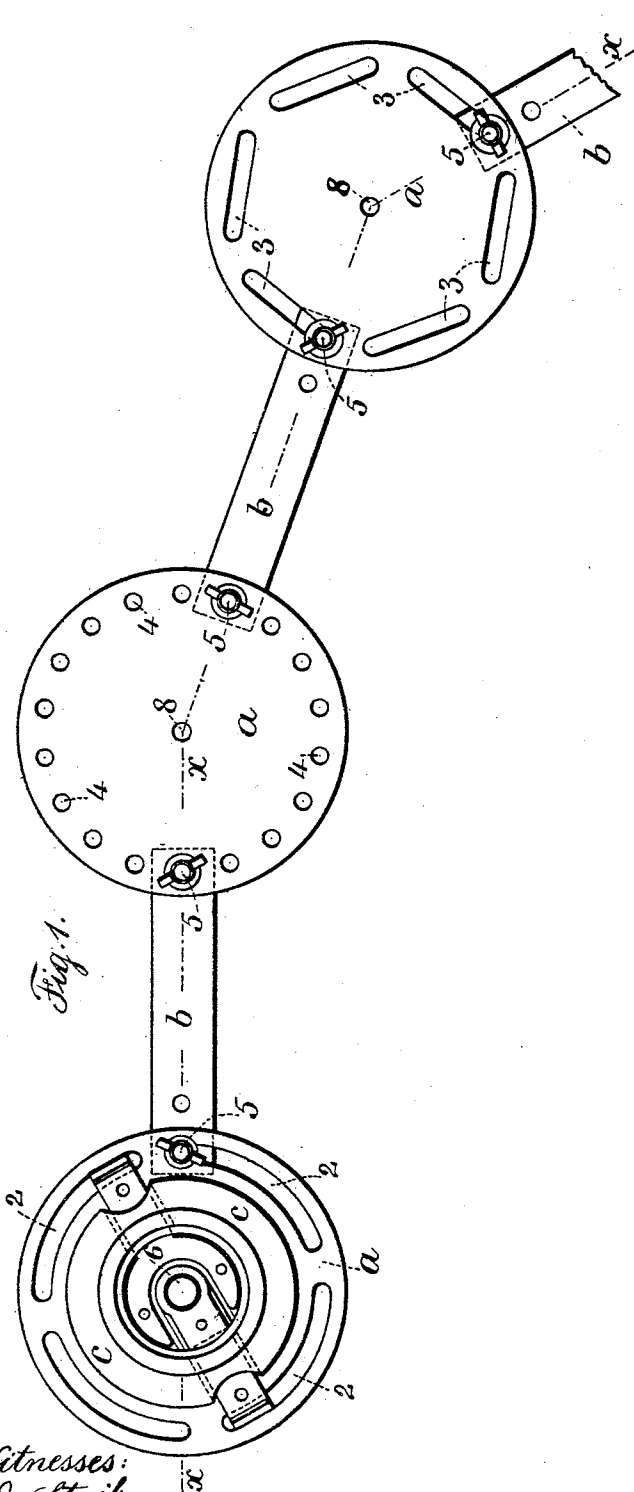


Fig. 1.

Witnesses:
J. Stair
Charles Smith

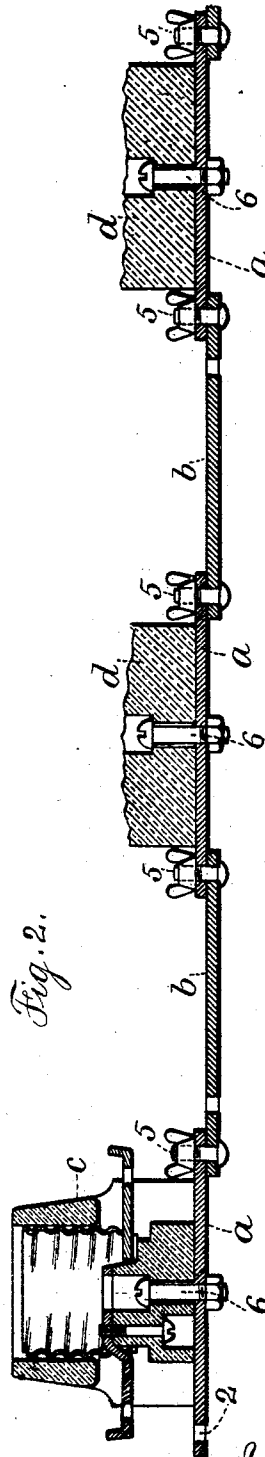


Fig. 2.

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UNITED STATES PATENT OFFICE.

MORTIMER NORDEN, OF NEW YORK, N. Y., ASSIGNOR TO THE NORDEN-BITTNER ELECTRIC COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

ADJUSTABLE FRAME FOR HOLDING ARTICLES.

SPECIFICATION forming part of Letters Patent No. 710,797, dated October 7, 1902.

Application filed March 3, 1902. Serial No. 96,368. (No model.)

To all whom it may concern:

Be it known that I, MORTIMER NORDEN, a citizen of the United States, residing at New York city, in the borough of Manhattan, in the county and State of New York, have invented an Improvement in Adjustable Frames for Holding Articles to Form Various Designs, Figures, or Letters, of which the following is a specification.

My invention relates to an adjustable frame for holding, arranging, and displaying various articles or forms. This frame may carry electric lamps, ornaments of various kinds, flowers, or figures, and the same is of such construction as to permit any arrangement or rearrangement of the parts in forming letters, designs, or ornamental shapes. This display-frame comprises a number of disk plates and links and means for adjustably securing the links in the desired relation to the said disk plates, and there may be any number of these disk plates constituting the adjustable frame. I prefer to form the disk plates with perforations, which may be circular or elongated, in the form of slots through the same adjacent to the periphery and to form the links with clamping-bolts, the bolts of the links engaging the disk plates at the perforations and the bolts being of such a character that they can be clamped by hand. By this arrangement the disk plates may be arranged in lines or at varying angles to one another in carrying out a predetermined design or figure.

In the drawings, Figure 1 is a plan view showing a number of disk plates and the connecting-links, together with a lamp-socket upon one of the disk plates; and Fig. 2 is a vertical longitudinal section on the line $x x$ of Fig. 1, showing, in addition to the parts shown in Fig. 1, foundation-pieces that may be of any desired ornamental configuration or supports therefor or for various articles to be arranged in groups.

The disk plates a are each provided with a central hole 8 and either with perforations 4 or perforations in the form of slots 2 3 through the same and adjacent to the periphery thereof. The slot-perforations 2 are shown of curved form concentric with the circular periphery of the disk plates. The slot perfora-

tions 3 are shown as elongated and at right angles to bisecting radial lines and adjacent to the circular periphery of the disk plate a , while the perforations 4 are shown as circular and arranged at substantially equal spaced-apart intervals.

The links b are alike and are each composed of plates of metal, with perforations adjacent to their ends, through which pass bolts 5, the clamping devices thereof being thumb-nuts to be operated by hand as the most convenient form of securing and releasing the parts. In Fig. 1 the bolts 5 of one link are shown as passing through a curved slot-perforation 2 and a perforation 4, while the bolts of the other link b are at one end shown as passing through an elongated slot-perforation 3 and at the other end through a perforation 4. It is to be understood that the several forms of perforations shown are equivalent structures for the purpose of adjustably connecting the links to the disk plates, except that the slot-perforations provide in the adjustment of the parts a greater range of movement without the necessity of separating the parts.

I have shown in both Figs. 1 and 2 as attached to one of the disk plates the socket c of an electrical lamp, while in Fig. 2 I have shown bases d , which may be parts of or supports for ornamental configurations or figures, or in place of the same bunches of flowers or rosettes of fabric may be attached directly to the disk plates a , as it is to be understood that I do not in any respect limit myself to the character of the article to be carried or supported by the disk plates and to be arranged thereby in ornamental form. In Fig. 1 the disk plates a are shown as arranged off of a straight line, and it is evident because of the pivotal connection of the said plates and links and their adjustable possibilities that they may be arranged in any one of a multitude of forms or shapes at the pleasure of the person employing the same and that whatever figure or design may be given to the parts the same is fixed and made temporarily permanent by securely clamping the thumb-nuts of the bolts 5 in place. The devices carried by said disk plates may be secured thereto before or after the arrangement

of the disk plates and links in the desired figure or design. The electric-lamp socket shown in Figs. 1 and 2 is of ordinary or well-known form, and the same is connected to the disk plate *a* by a bolt 6. I have also shown in Fig. 2 the bases *d* as secured to the disk plates *a* by bolts 6; but it is further obvious that any connecting device may be employed between the disk plates *a* and the article to be carried or supported thereby, the connecting devices being governed entirely by the character of the article to be secured thereto.

I have shown in Fig. 1 additional perforations in the links *b*, as it is obvious that more than a single perforation at the respective ends may be employed to facilitate the coupling up of the disk plates and their arrangement into the objective figure or design.

I claim as my invention—

1. An adjustable frame or holder comprising a plurality of disk plates having perforations near their edges, links between said disk plates, means for removably and adjustably attaching the links to the disk plates at the perforations therein, and means for securing the desired article to the disk plates, substantially as specified.

2. An adjustable frame for holding articles such as specified, comprising a plurality of disk plates, each having one or more slot perforations near its edge, links between the disk plates, means for adjustably and removably

attaching the links to the disk plates at the slot perforations therein, and means for securing the desired article to the disk plates, substantially as specified.

3. An adjustable frame or holder comprising a plurality of slotted disk plates, links between the same, means for adjustably and removably attaching the links to the disk plates at the slots therein, and also for holding the parts in a predetermined fixed position, and means for attaching the desired articles to the disk plates, substantially as specified.

4. An adjustable frame for holding articles such as specified, comprising a plurality of disk plates, each having a central perforation and perforations near its edge, links between the disk plates having perforations in their ends, hand clamping devices for adjustably and removably attaching the links and disk plates together at the perforations in the disk plates and through the perforations in the ends of the links, and also for holding the parts in a fixed position relatively to each other, and means for attaching the desired articles to the disk plates, substantially as specified.

Signed by me this 30th day of January, 1902.

MORTIMER NORDEN.

Witnesses:

GEO. T. PINCKNEY,
S. T. HAVILAND.