

L. H. MACORQUODALE.
 DISPLAY DEVICE.
 APPLICATION FILED MAY 27, 1912.

1,062,020.

Patented May 20, 1913.
 3 SHEETS—SHEET 1.

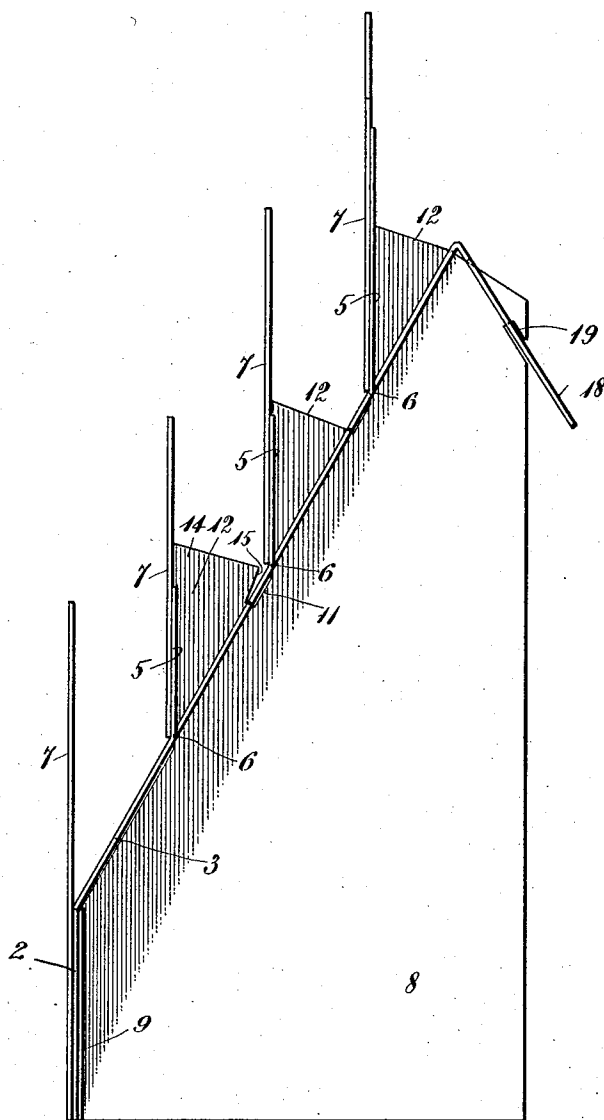


FIG. 1.

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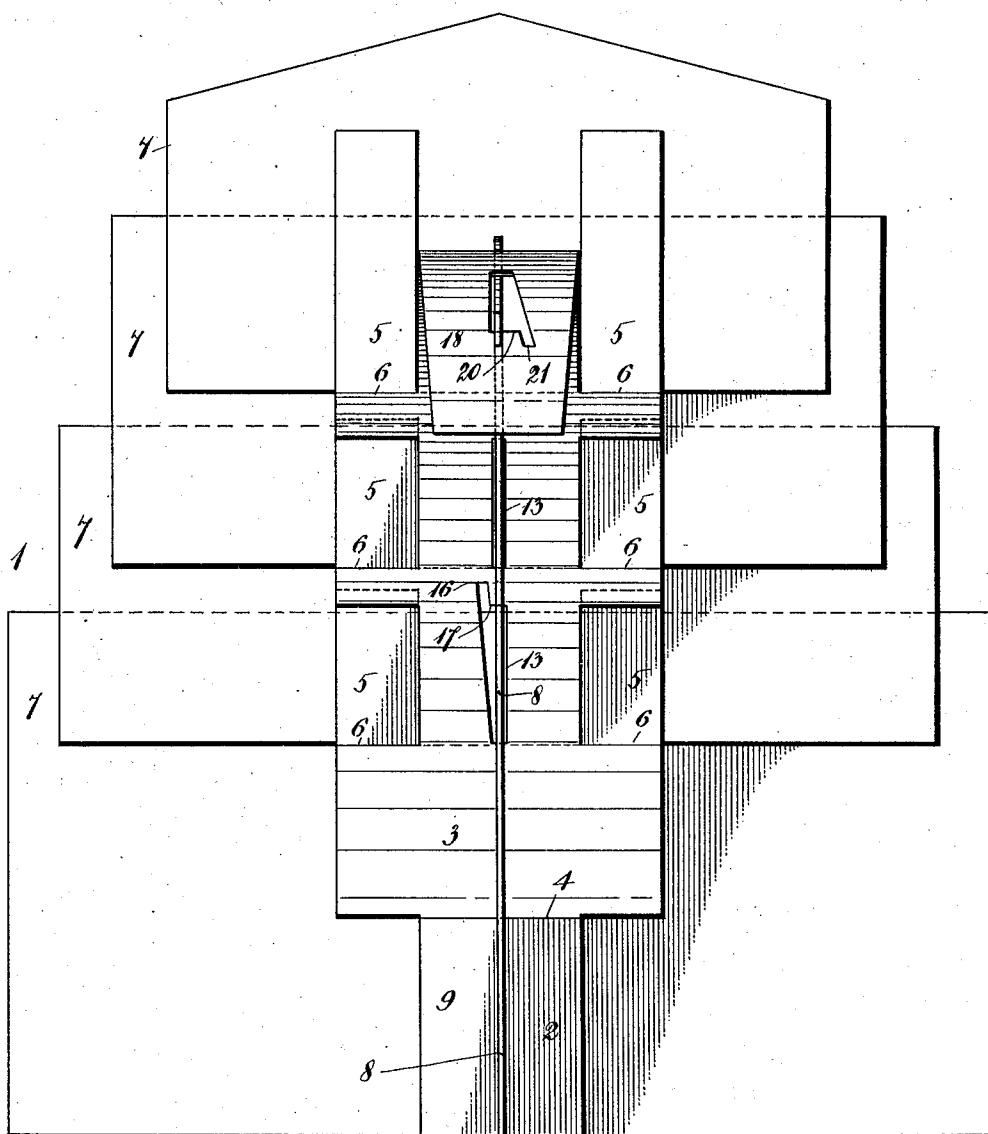


FIG. 2.

WITNESSES:
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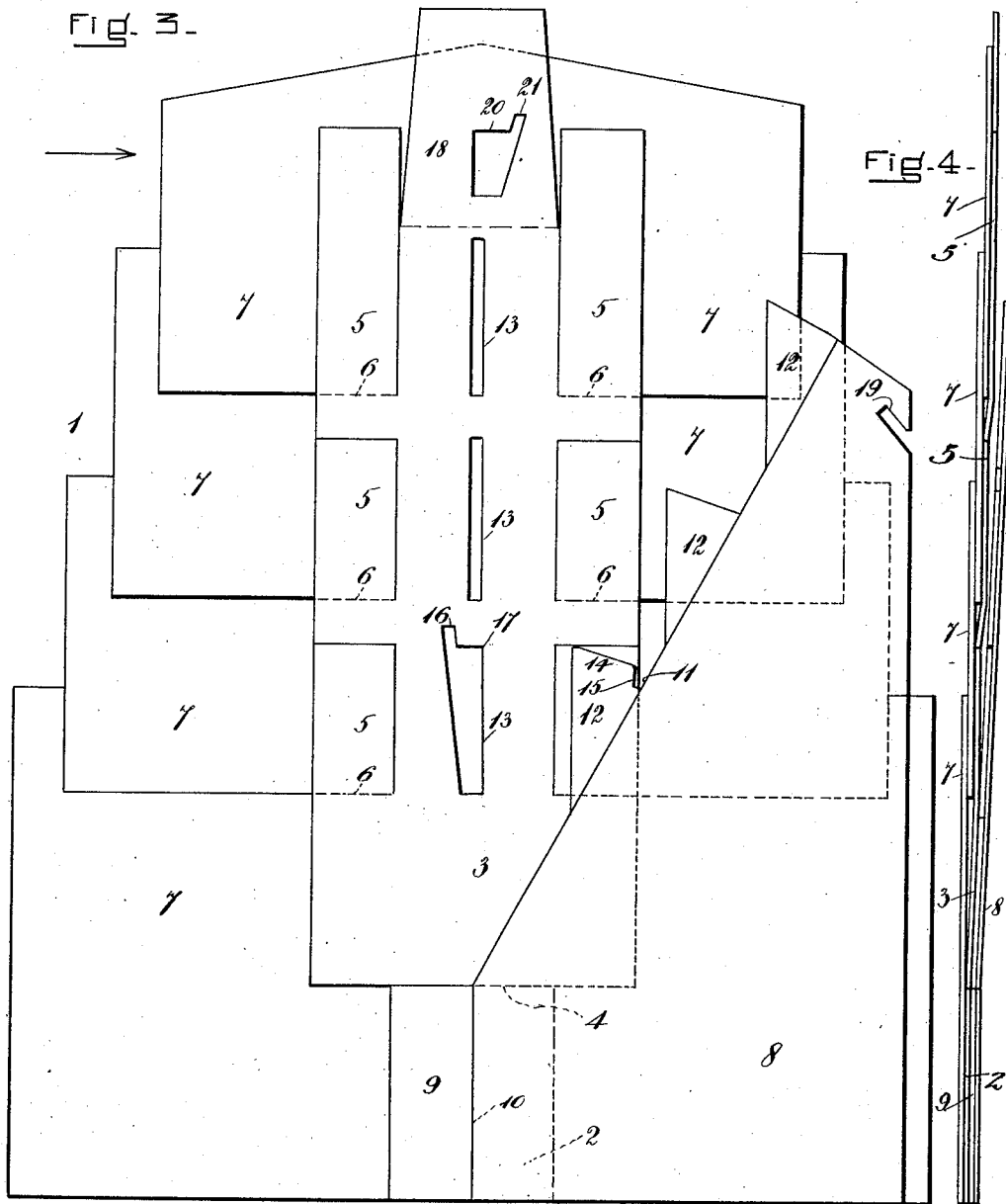
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UNITED STATES PATENT OFFICE.

LORNE H. MACORQUODALE, OF REVERE, MASSACHUSETTS, ASSIGNOR TO THE FORBES LITHOGRAPH MANUFACTURING COMPANY, OF BOSTON, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS.

DISPLAY DEVICE.

1,062,020.

Specification of Letters Patent.

Patented May 20, 1913.

Application filed May 27, 1912. Serial No. 699,879.

To all whom it may concern:

Be it known that I, LORNE H. MACORQUODALE, of Revere, in the county of Suffolk and State of Massachusetts, a citizen of the United States, have invented a new and useful Improvement in Display Devices, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification, in explaining its nature.

My invention relates to a display device of a collapsible nature.

My invention comprises a collapsible display device having in general form an appearance of an easel, the same being provided with a body and back supporting the same and on which body the display matter is portrayed by a number of cards secured to and carried by the body.

The object of my invention is to provide a display device that can be easily made of cardboard or other suitable sheet material with as few separate parts as possible and these fitted to be combined to form the device simply by incising and scoring or bending the same; to provide, also, a device that can easily be set up in its display form when the device will present a finished appearance and will possess a proper rigidity of structure which is much to be desired in devices of this kind.

My invention can best be seen and understood by reference to the drawings, in which—

Figure 1 shows the device in side elevation. Fig. 2 is a rear elevation of the same. Fig. 3 is a rear elevation of the device when collapsed, and Fig. 4 is a side elevation thereof when collapsed.

Referring to the drawings:—1 represents the body of the device made of some sheet material preferably cardboard. The body 1 consists of portions 2 and 3. Of these the portion 2 is adapted to assume an upright vertical position when the device is being used for purposes of display. The portion 3 of the body is flexibly secured to the portion 2 along the line 4 (being preferably made of the same sheet of material therewith) and is adapted to incline upwardly and backwardly from the portion 2 when said portion is in its vertical position aforesaid.

The portion 3 of the body 1 of the device is provided with a number of flaps 5 arranged to project therefrom at intervals along the same. The flaps are flexibly secured to said portion of the body to assume positions in substantial alinement therewith or angular positions with relation thereto. In other words, their disposition and arrangement is such that when the portion 3 of the device is occupying its inclined position as aforesaid the flaps may be turned to occupy a substantially vertical position as shown in Fig. 1. The flaps are preferably made integral with the same sheet as forms the body of the device, the flexible connections between the flaps and the body being obtained by scorings 6 therein.

Secured to the face of the base 2 of the body of the device and also to the faces of the respective flaps 5 are cards 7 on which the matter to be displayed is represented. Thus supported with the portion 2 of the body occupying a vertical position and the portion 3 thereof an inclined position, the cards will be supported one above the other in an ascending retrogression.

The body of the device is supported and the cards 7 and flaps carrying the same maintained in a proper upright vertical position by means of a back 8. This back is flexibly secured to the body of the device. According to the construction shown it is provided with a flap 9 secured to the rear side of the base portion 2 of the body of the device whereby the back may be turned thereon about a joint 10 and assume a vertical position extending substantially at right angles to the body when the back is acting to support the same, or be turned to occupy a folded position over the body and cards carried thereby when the device is collapsed as will hereinafter be more fully explained. Above the joint 10 the back is provided with a forward inclined edge 11 against which the portion 3 of the body is adapted to bear when the back is occupying its operative position for supporting the body. The back is also provided along the forward edge 11 thereof with projections 12 corresponding in number with the cards 7 carried by the flaps 5 on the portion 3 of the body. The parts 12 pass through the portion 3 of the body by slots 13 formed therein, and their

form, disposition and arrangement are such that when the back is supporting the body these projections will bear against the cards carried by the portion 3 of the body and hold them in a proper upright vertical position. At the same time the card affixed to the base portion 2 of the body will assume an upright vertical position therewith inasmuch as this is the usual position of this portion of the body as above described.

In order that the body portion 3 of the device may be held to fit snugly against the forward inclined edge 11 of the back when occupying its operative position supporting the body, the back is adapted in part to lock in behind the body. This effect is obtained by providing one of the projections 12 which pass through the body with an upward extension 14 presenting an edge 15 removed from the forward inclined edge 11 of the back and separated from it by an amount about equal to the thickness of the material forming the body. The slot 13 in the portion 3 of the body through which this projection passes gradually increases in width as it extends upwardly and at its upper end is extended by an extension 16 laterally offset from the center of the portion 3 of the body or that portion thereof which lies in alinement with and adjacent to the inclined edge 11 of the back, to leave a corner edge portion 17. By laterally bending the projection 12 it and its extension 14 is passed through the slot 13 and its extension 16 until the portion 3 of the body engages the inclined edge 11 of the back when the projection will spring back into its original position, the corner edge portion 17 of the body slipping in between the edge 16 of the projection on the back and its inclined edge 11, the body being thereby held to fit snugly against the back.

For the sake of giving added stability to the device when in its display form I prefer, also, to provide the portion 3 of the body with an extension 18 flexibly connecting with the top edge of the body and extending over the top edge of the back to become attached thereto. The attachment is made by incising the rear edge of the back near the top thereof to form a hook 19. The extension 18 slips over this hook and locks in back of the same by a slot 20 and offset 21 formed in the extension.

The further adaptability of the parts is such that the portion 3 of the body of the device may become detached from the back simply by a reversal of the operations above described for converting the device into its display form, when all the parts will lie flat, the cards 5 carried by the flaps turning in against the portion 3 of the body and the back folding over onto the body and cards.

Having thus fully described my invention,

I claim and desire to secure by Letters Patent of the United States:—

1. In a device of the character specified, in combination, a supporting body of sheet material provided with flaps flexibly secured thereto at intervals along the same and in a manner whereby said flaps may assume an angular position with respect to said body, cards carried by said flaps, and releasable means for supporting said body in an inclined position and said cards and flaps carrying the same angularly disposed with relation to said body.

2. A device of the character specified having a body of sheet material having a vertical base portion and a portion flexibly connected therewith and upwardly and backwardly inclined therefrom, flaps flexibly secured to the inclined portion of said body at intervals along the same and arranged whereby they may assume a substantially vertical position angular with respect to said inclined portion of the body, cards carried by said base portion of the body and flaps, and a releasable back for supporting said body and cards carried thereby.

3. A device of the character specified having in combination a body of sheet material provided with flaps flexibly secured thereto at intervals along the same and in a manner whereby said flaps may assume an angular position with respect to said body, cards carried by said flaps, and a folding back having hinged connection with said body for supporting the same in an inclined position and which back is adapted in part, also, to extend beyond the face of said body for supporting the cards carried thereby.

4. A device of the character specified having a body of sheet material having a vertical base portion and a portion flexibly connected therewith and upwardly and backwardly inclined therefrom, flaps flexibly secured to the inclined portion of said body at intervals along the same and arranged whereby they may assume a substantially vertical position angular with respect to said inclined portion of the body, cards carried by said base portion of the body and flaps, and a back flexibly connected with the base portion of said body and against the forward edge of which back said inclined portion of the body is adapted to bear.

5. A device of the character specified having in combination a supporting body of sheet material and provided with flaps flexibly secured thereto at intervals along the same, said body having, also, slots formed therein, cards carried by said flaps, and a back for supporting said body in an inclined position and which back is adapted in part to pass through the slots in said body to extend forward therefrom for supporting said cards.

6. A device of the character specified hav-

ing in combination a supporting body of sheet material and provided with flaps flexibly secured thereto at intervals along the same and in a manner whereby said flaps
5 may assume an angular position with respect to said body, said body having, also, slots formed therein, cards carried by said flaps, and a back having flexible connection with said body and adapted to combine
10 therewith for supporting the same in an inclined position and to extend in part through the slots in said body and support said cards, said body and back being provided, also, with means whereby they may
15 have interlocking connection with one another when said back is in its position of support as aforesaid.

7. In a device of the character specified having a body of sheet material provided
20 with a vertical base portion and a portion flexibly connected therewith and upwardly

and backwardly inclined therefrom, flaps flexibly secured to the inclined portion of said body at intervals along the same and arranged whereby they may assume substantially vertical positions angular with respect to said inclined portion of the body, cards carried by said base portion of the body, a back having flexible connection with said base portion of said body and adapted
30 to combine with said body for supporting the same, said back being adapted, also, to extend in part through said body and support said cards, said body and back being further provided with means whereby they
35 may have a self-interlocking engagement with one another when said back is supporting said body.

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Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."