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J. J. O'BRIEN

1,777,933

DISPLAY DEVICE

Filed June 24, 1929

Fig. 1.

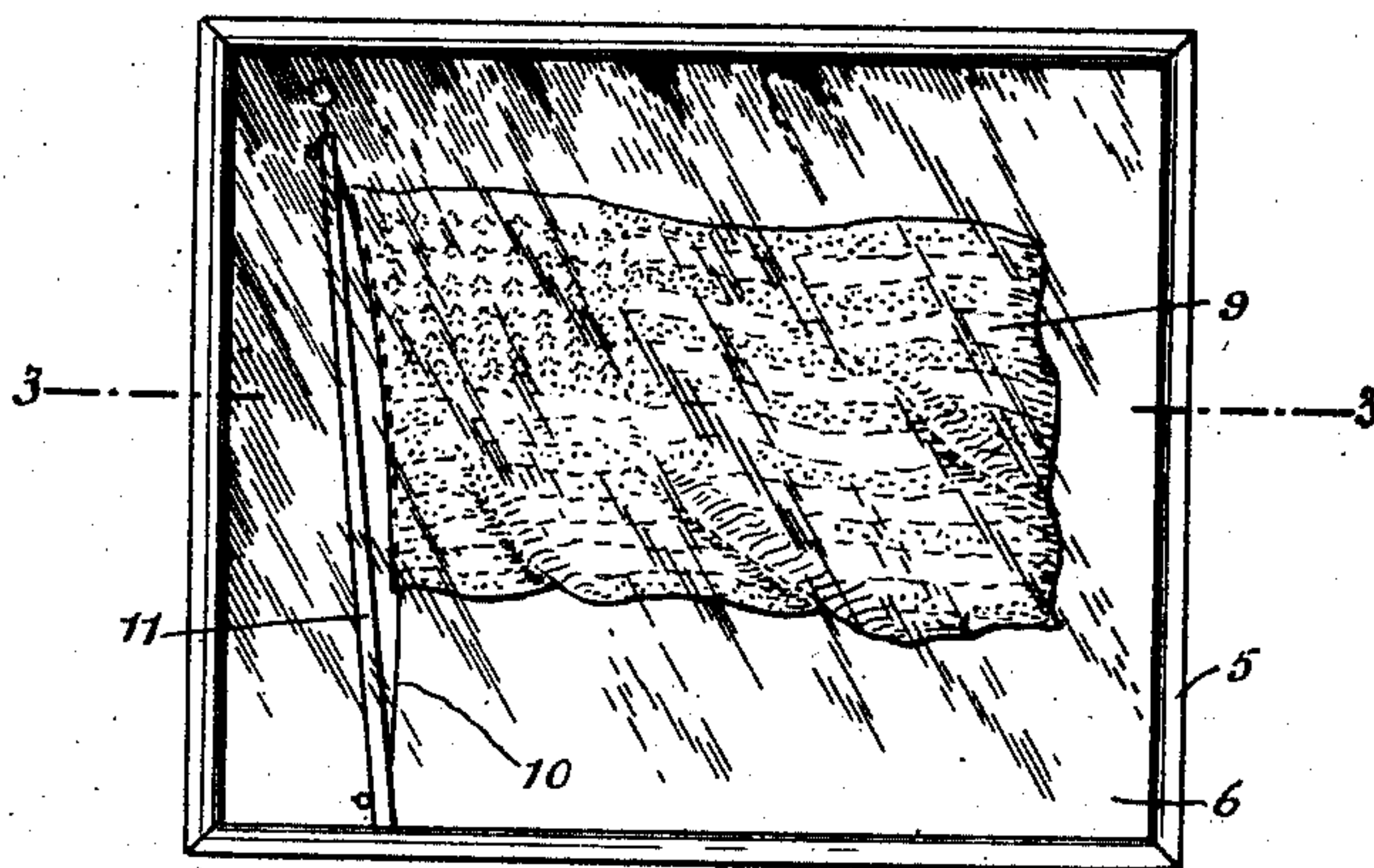


Fig. 2.

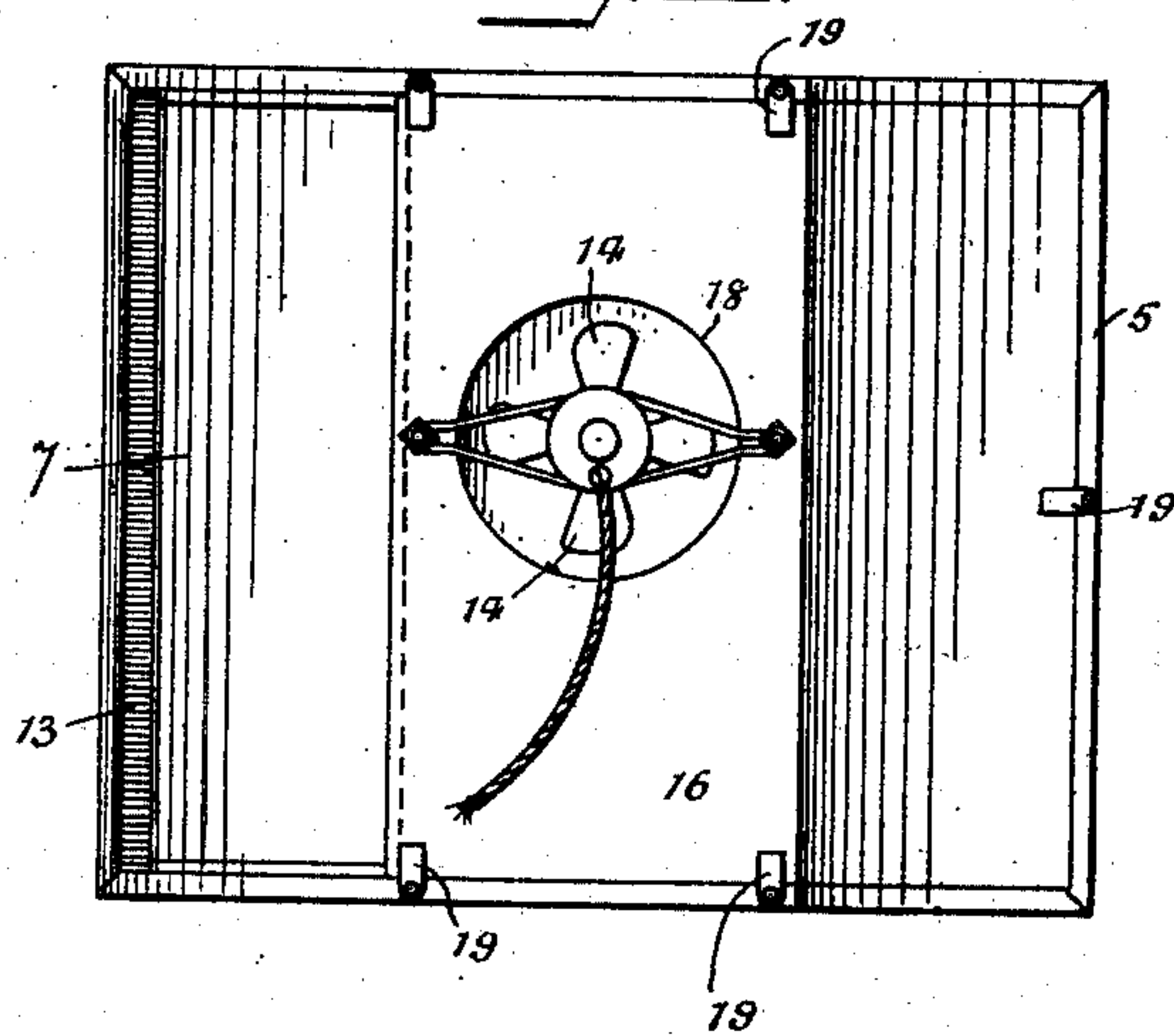
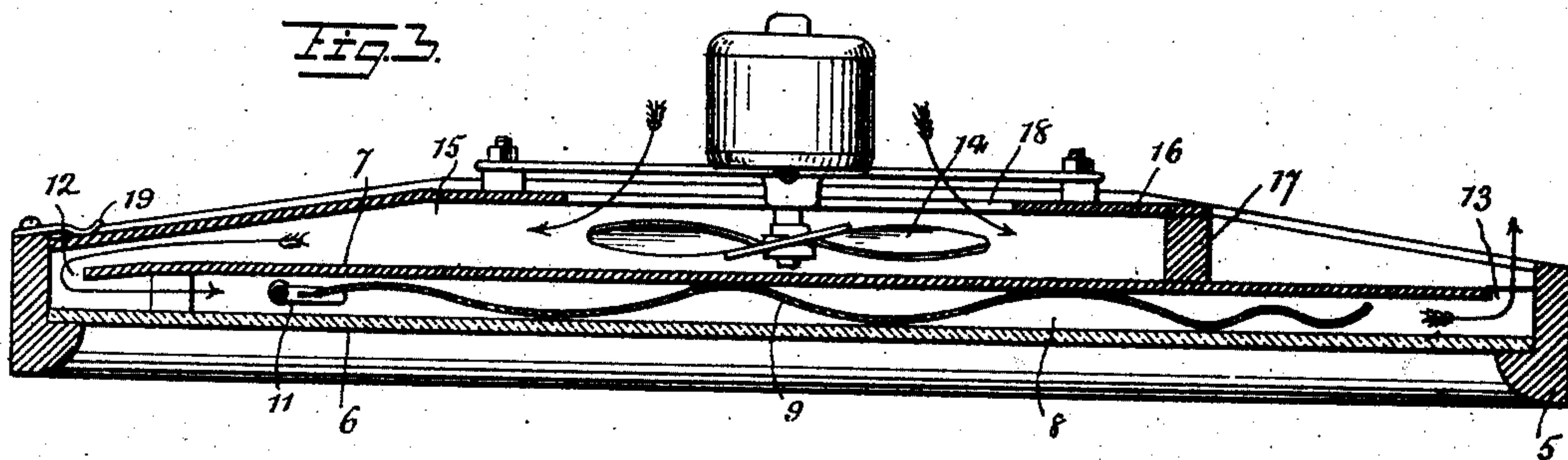


Fig. 3.



WITNESSES

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## UNITED STATES PATENT OFFICE

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## DISPLAY DEVICE

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This invention relates generally to display devices, and refers more particularly to a device for housing, displaying and imparting motion to a flag, banner, pennant or the like.

5 The invention primarily aims to provide a simple, inexpensive and effective means for housing and displaying a flag or similar article while imparting thereto a waving or rippling action for rendering the same more attractive and realistic.

10 More specifically, the invention comprehends in a device of the character set forth, a housing defining a compartment within which a flag is mounted and through which compartment a draft may be directed to impart the rippling or waving action to the flag.

15 The invention furthermore contemplates in a device of this nature, a compartment including panels which are so spaced as to cooperate with and maintain the flag in a stationary display position when the draft is discontinued.

20 The invention furthermore resides in the facility with which access may be gained to the housing for the purpose of changing the flag or renewing or repairing damaged parts.

25 With the above recited and other objects in view, reference is had to the following description and accompanying drawings, in which there is exhibited one example or embodiment of the invention, while the claims define the actual scope of the same.

In the drawings:

30 Figure 1 is a front view of the device, illustrating the flag in motion.

Figure 2 is a rear view thereof.

35 Figure 3 is an enlarged horizontal sectional view taken approximately on the line 3—3 of Figure 1.

40 Referring to the drawings by characters of reference, the device includes a marginal frame 5 which carries a front transparent panel 6 and a rear opaque panel 7, the latter being disposed in spaced parallel relation to the former to define a compartment 8 within which the flag or the like 9 is supported from one of its edges, preferably by a cord 10 which is attached at its opposite ends to a staff 11. The rear panel 7 is provided with an inlet 12 adjacent one end and an outlet 13

adjacent its opposite end to permit of the passage or flow of a draft of air through the compartment 8 from the supported edge of the flag to effect the rippling or waving of the same. In practice, the panels 6 and 7 will be so spaced as to cooperate with and maintain the flag in a display position when the draft is discontinued.

As illustrated, the means for creating and directing a draft of air through the compartment 8 consists of a fan 14 which is suitably supported within a chamber 15 defined between a rear wall 16, the rear panel 7, the frame 5 and an end wall 17. The rear wall 16 is provided with an air intake opening 18 and the chamber 15 communicates with the compartment 8 through the intake or air passage 12. The rear wall 16 and end wall 17, together with the fan 14, are removably associated with the frame by retaining devices 19, whereby access may be gained to the interior for the purpose of replacing the flag or renewing worn or broken parts and to also facilitate the initial assembling of the device.

In use, with the fan in operation, air is drawn in through the opening 18 to the chamber 15, expelled therefrom through the passage or intake 12 to the compartment 8, through which it flows for exhaust through the outlet 13. The flow or passage of the draft of air is such as to impart a rippling or waving action to the flag to render the same more realistic and attractive in appearance. When the draft is discontinued, the panels 6 and 7 cooperate with the folds or ripples of the flag to support the same in a display position.

From the foregoing, it will thus be seen that a display device for the purpose specified has been devised which is simple and attractive and may be used for various purposes.

What is claimed is:

1. An apparatus for housing, displaying and waving a flag or the like, including a frame having a transparent front panel and a rear panel arranged in closely spaced parallel relation to define a compartment within which the flag is arranged and supported and means for causing a draft of air to flow



through said compartment to impart a rippling action to the flag.

2. An apparatus for housing, displaying and waving a flag or the like, including a frame having a transparent front panel and a rear panel arranged in closely spaced parallel relation to define a compartment within which the flag is arranged and supported and means for causing a draft of air to flow through said compartment to impart a rippling action to the flag, the spacing of the panels being such as to maintain the flag in display position when the draft of air is discontinued.
3. An apparatus for housing, displaying and waving a flag or the like, including a frame, parallel spaced front and rear transparent and opaque panels carried by the frame to define a compartment within which the flag is supported from one of its edges and means for creating and causing a draft of air to flow therethrough from the supported edge of the flag to effect the rippling of the same.
4. An apparatus for housing, displaying and waving a flag or the like, including a frame, parallel spaced transparent front and opaque rear panels carried by the frame to define a compartment within which the flag is supported from one of its edges and means for creating and causing a draft of air to flow therethrough from the supported edge of the flag to effect the rippling of the same, said means consisting of a chamber having an inlet and disposed in rear of the opaque panel and having communication with the flag containing compartment and a draft creating device within said chamber.
5. In an apparatus for housing, displaying and waving a flag, a frame, a transparent front panel, an opaque rear panel arranged in spaced parallel relation within the frame and defining a compartment in which a flag is arranged and supported and means for causing a draft of air to flow through said compartment for rippling the flag.
6. In an apparatus for housing, displaying and waving a flag, a frame, a transparent front panel, an opaque rear panel arranged in spaced parallel relation within the frame and defining a compartment in which a flag is arranged and supported, said compartment having an inlet adjacent one end, an outlet adjacent the opposite end and means in rear of said opaque panel for creating and directing a draft of air through said compartment from the inlet to the outlet for effecting a rippling of the flag.
7. In an apparatus for housing, displaying and waving a flag, a frame, a transparent front panel, an opaque rear panel arranged in spaced parallel relation within the frame and defining a compartment in which a flag is arranged and supported, said compartment having an inlet adjacent one end, an outlet

adjacent the opposite end and means in rear of said opaque panel for creating and directing a draft of air through said compartment from the inlet to the outlet for effecting a rippling of the flag, said means consisting of a chamber having an inlet and disposed in rear of the opaque panel and having communication with the flag containing compartment and a fan arranged within said chamber.

Signed at New York, in the county of New York and State of New York this 22nd day of June, 1929.

JOHN J. O'BRIEN.

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