Nov. 15, 1932. F. M. POWERS 1,888,014

TENT WINDOW

Filed April 18, 1932

Fig. 1.

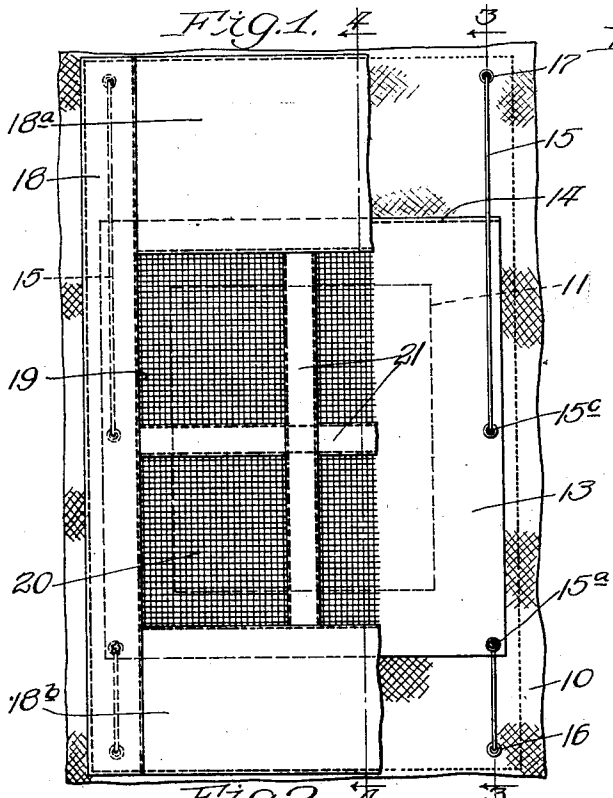


Fig. 2.

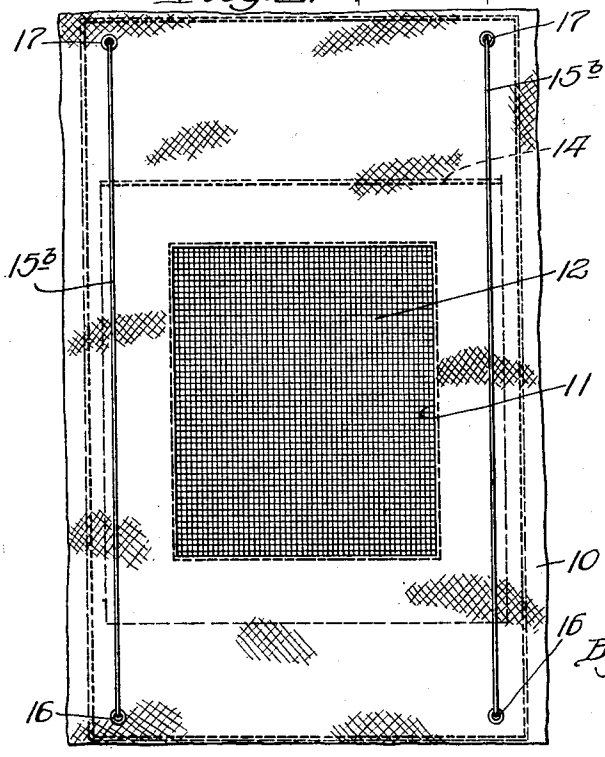
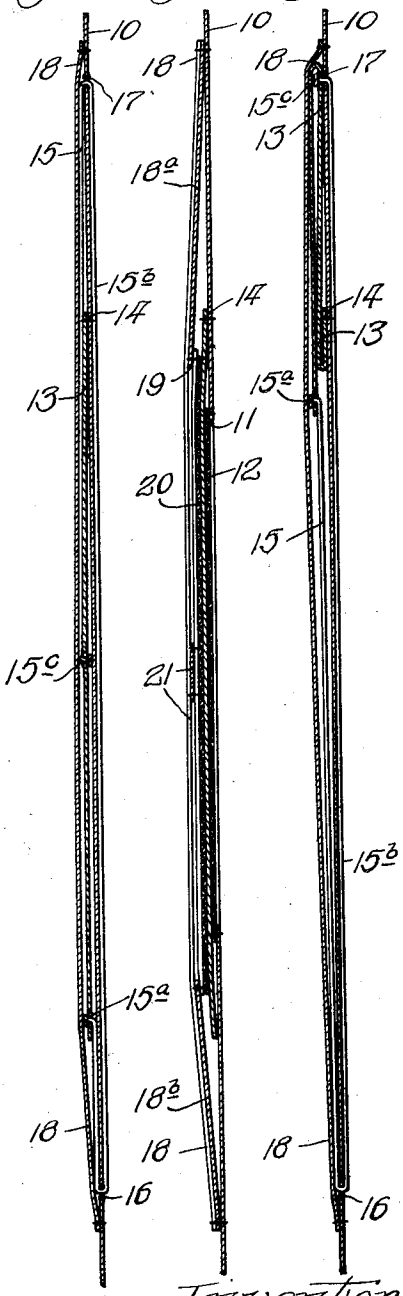


Fig. 3 Fig. 4. Fig. 5.



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UNITED STATES PATENT OFFICE

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TENT WINDOW

Application filed April 18, 1932. Serial No. 605,959.

This invention relates to improvements in tent windows and more especially such windows that can be opened and closed by the raising or lowering of a flap.

In window construction of the character referred to, it has been customary to provide a flap, usually on the outside of the wall, with means for raising or lowering the same to open or close the window. In this kind of construction, difficulty has been encountered in retaining the flap in its various positions.

Among the features of my invention is the provision of means for housing or retaining the flap so that it is guarded against injury and prevented from being blown out of its proper position or away from the wall. At the same time, the operation of the flap is not interfered with; and its effectiveness is greatly increased.

Other features and advantages of my invention will appear more fully as I proceed with my specification.

In that form of device embodying the features of my invention shown in the accompanying drawing, Fig. 1 is a view in side elevation from the outside with a portion broken away; Fig. 2 is a similar view from the inside; Fig. 3 is a view taken as indicated by the line 3 of Fig. 1; Fig. 4 is a view taken as indicated at line 4 of Fig. 1; and Fig. 5 is a view similar to Fig. 3 showing the flap raised. As shown in the drawing, 10 may indicate a tent wall with an opening 11 therein covered by a sheet of netting or similar material 12, for example marquisette.

13 indicates a flap with its upper edges 14 sewed or otherwise attached to the outside of the wall 10 above the opening 11. This flap is large enough so that when lowered it will cover the opening. Means are provided for raising and lowering this flap. As here shown, such means includes a rope or cord 15 on each side. One end of the cord 15 is attached at 15^a to the lower corner of the flap. From this point, the cord extends downwardly through an eye 16 in the tent wall thence upwardly on the inside of the wall, as indicated by 15^b some distance above the upper edge 14 of the flap and thence outwardly through the eye 17 and thence downwardly where its other end is attached at 15^c to the flap about half way between the upper and lower edges thereof. It will be seen that if the portion of the cord 15^b on each side, on the inside of the wall, is pulled upwardly, it will cause the ends of the cords 15^a to pull the lower corners of the flap down until the window is covered. Reverse movement of the cords will pull up on the ends attached at 15^c at both sides of the flap until the same is pulled up as shown in Fig. 5 and the window completely uncovered or opened.

On the outside of the wall there is attached a cover sheet completely covering the flap by permitting the raising and lowering thereof as above described. This cover sheet is provided with an opening registering with the opening in the wall and said opening in the cover sheet may likewise, if desired, be covered with suitable netting, and reinforcing strips if necessary or desirable. As here shown, this cover sheet includes vertical strips 18 on each side with an upper cross strip 18^a and a lower cross strip 18^b. This leaves an opening 19 in the cover sheet which registers with the opening 11 in the wall 10. As here shown, this opening is slightly larger than the opening 11. As here shown, also, the opening 19 is covered with a sheet of netting 20, for example marquisette, and in order to strengthen and reinforce the same I have provided two centrally arranged intersecting straps of canvas or other suitable material 21. It will be seen that the portion 18^a of the cover sheet is wide enough to permit the flap 13 to be completely raised thereunder as shown in Fig. 5. The cover sheet, including the straps 18 and cross pieces 18^a and 18^b is wide enough to entirely cover the flap which, it will be noted, must be somewhat wider than the smaller of the two openings 11 and 19. As here shown, the flap is somewhat wider than the openings 19.

The foregoing detailed description has been given for clearness of understanding only, and no unnecessary limitations should be understood therefrom, but the appended claims should be construed as broadly as permissible, in view of the prior art.

What I regard as new, and desire to secure by Letters Patent, is:

1. In combination with a tent wall having an opening therein; a flap with its upper edge attached to the outside of the wall above the opening, said flap adapted to be lowered to cover the opening or raised to uncover the same; means for raising and lowering said flap; and a cover sheet of material attached to the outside of the wall completely covering said flap when said flap is raised, said cover sheet being provided with an opening registering with the opening in the wall.

2. A device as claimed in claim 1 in which the opening in the cover sheet is covered with a sheet of netting.

3. A device as claimed in claim 1 in which the opening in the cover sheet is covered with a sheet of netting and a strip of reinforcing material.

4. A device as claimed in claim 1, in which the means for raising and lowering the flap includes a rope on each side with one end attached to a lower corner said rope extending through the wall thence upwardly inside of the wall to a point substantially above the upper edge of the flap thence outwardly through the wall and thence downwardly with its other end attached to the flap substantially midway between the upper and lower edges thereof.

5. A device as claimed in claim 1 in which the opening in the tent wall is covered by a sheet of netting.

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