

Aug. 4, 1936.

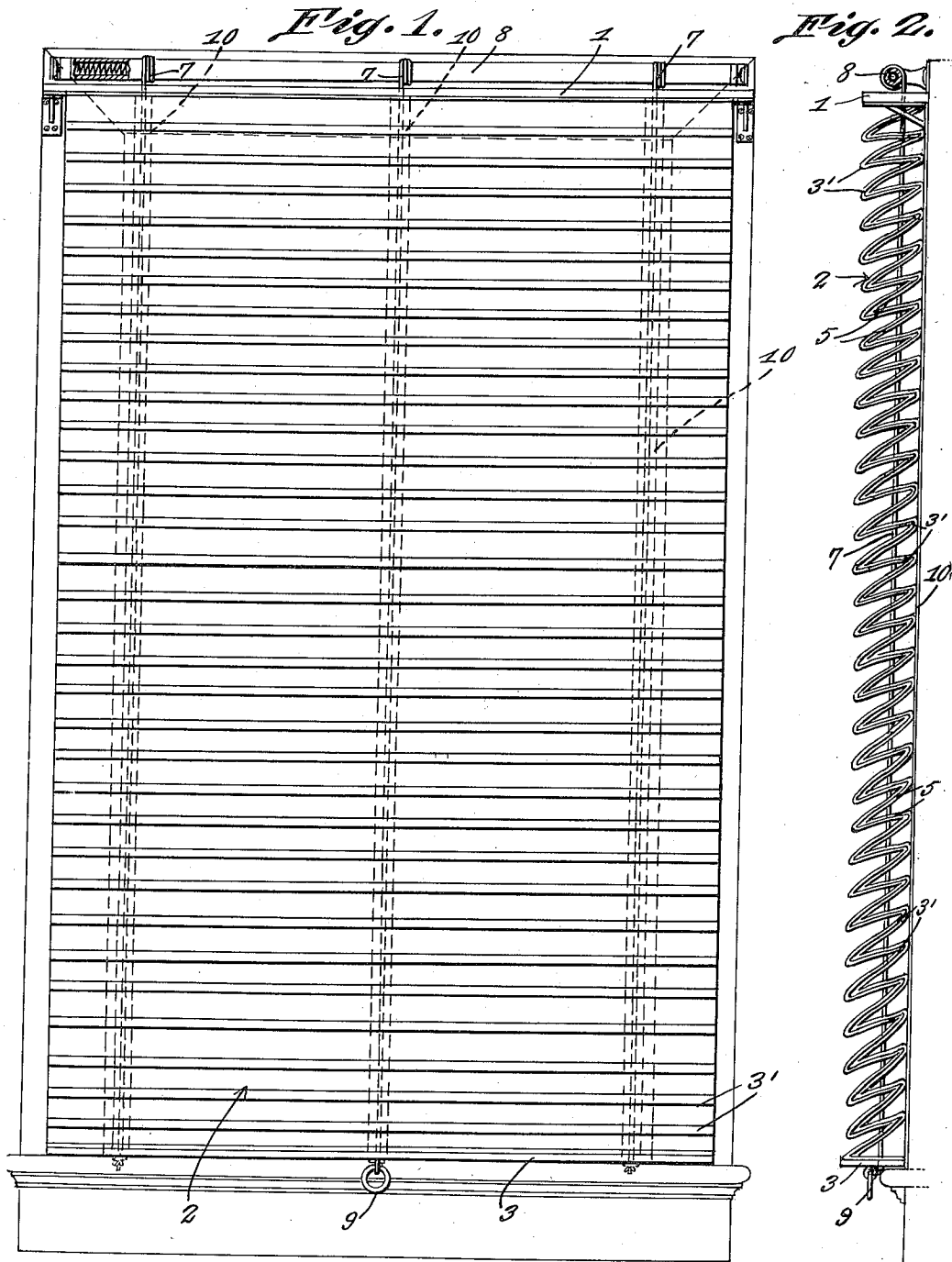
M. SCHIER

2,049,518

VENETIAN BLIND

Filed Oct. 16, 1935

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

Fig. 3.

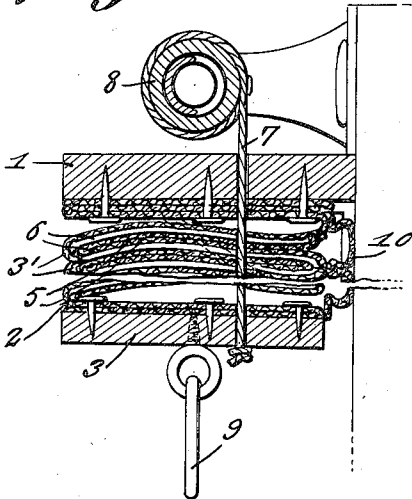


Fig. 4.

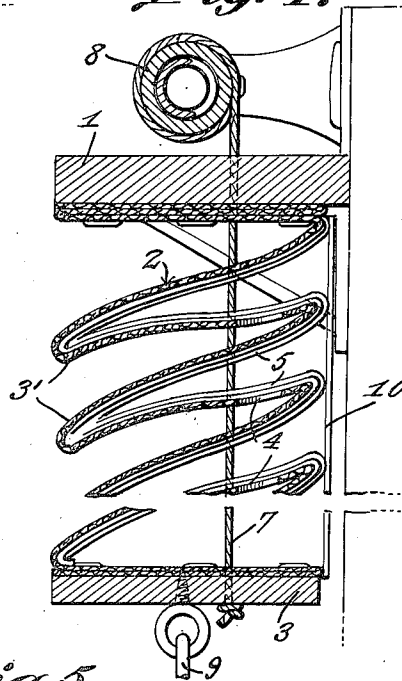


Fig. 7.

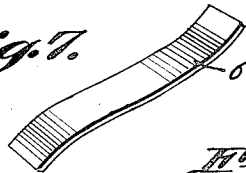


Fig. 5.

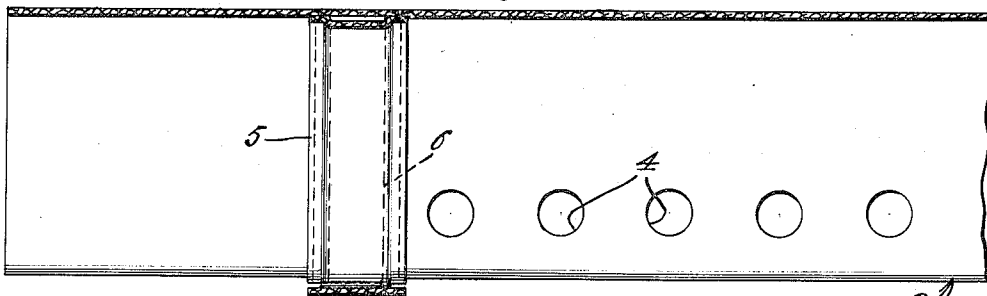
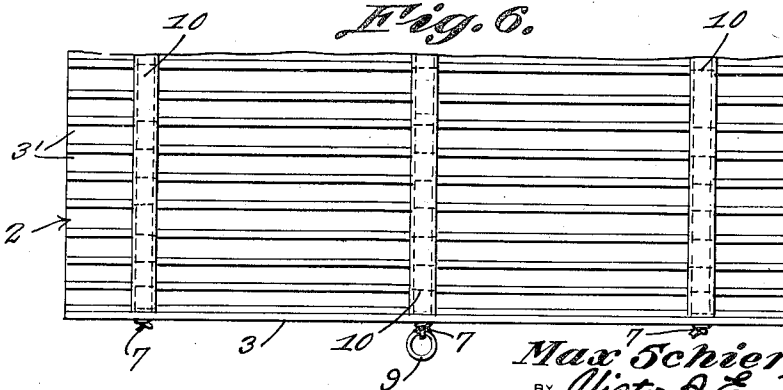


Fig. 6.



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2,049,518

VENETIAN BLIND

Max Schier, Miami, Fla.

Application October 16, 1935, Serial No. 45,341

2 Claims. (Cl. 156—16)

This invention relates to blinds for windows and has for the primary object the provision of a device of this character which provides efficient ventilation without exposing the interior of a room to view from the outside of said room and which may be readily adjusted upwardly and downwardly similar to a roller type window shade, and embodies a sheet of shade fabric or any other similar material folded transversely to present folds having louvered appearance and which folds permit extending and collapsing of the device.

With these and other objects in view, this invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawings, in which

Figure 1 is a front elevation, partly broken away, showing a blind constructed in accordance with my invention and adapted to a window.

Figure 2 is an edge elevation illustrating the same.

Figure 3 is a sectional view showing the blind in a collapsed or folded position.

Figure 4 is a similar view showing the blind in a partly extended position.

Figure 5 is a fragmentary sectional view showing one of the folds of the blind with ventilating openings therein and having applied thereto a reinforcement.

Figure 6 is a fragmentary plan view illustrating the connecting of the reinforcing means to several folds of the sheet of material of the blind.

Figure 7 is a perspective view illustrating a reinforcing strip.

Referring in detail to the drawings, the numeral 1 indicates a supporting strip adapted to be secured to a window frame adjacent the latter's upper edge in any suitable way and has secured thereto one end of a sheet 2, the latter being of a width and length sufficient to close the window frame. The opposite end of the sheet has a strip 3 secured thereto of substantially the same width and length as the strip 1. The sheet 2 is made from window shade material or any other material suitable for the purpose and is folded throughout its length to form a series of folds 3' providing to the sheet a louvered appearance. The sheet 2 has rows of ventilating openings 4 formed therein and each row lying in a fold so that when the sheet is in an extended position, air may freely circulate therethrough. However,

the openings are so located that vision there-through will be obstructed by the folds and consequently prevent a person outside of the room of a building from seeing the interior of the room.

Binding strips 5 are stitched or otherwise secured to the sheet and extend from end to end thereof. The binding strips 5 are so secured to the sheet 2 that pockets will be provided between said binding strips and sheet for the reception of reinforcing elements 6 each including a compound curvature. Each binding strip 5 with the pockets thereof receiving the reinforcing strip 6 will position said reinforcing strips so that each fold of the sheet will be supported by a reinforcing strip to maintain the fold in proper shape.

Flexible elements 7 are secured to the strip 3 and extend through the folds of the sheet 2 and through the supporting strip 1. The flexible elements and folds of the sheet 2 are free to move or slide relative to each other. Also, the flexible elements slide freely through the supporting strip 1 and are secured to a roller 8 and are adapted to wind thereon. The roller 8 is of the shade roller type, having a spring for rotating the roller in one direction and a conventional ratchet mechanism (not shown) for temporarily securing the roller against rotation. The roller 8 is secured to the window frame in a conventional manner.

A pull ring 9 is secured to the strip 3 where a person may readily obtain a grip on the blind for raising and lowering the latter relative to the window.

Connected to the folds 3' of the sheet 2 is a restraining strip 10 adapted to limit the movement of the folds of the sheet away from one another.

Having described the invention, I claim:

1. A blind comprising a sheet folded to provide therein a plurality of folds each extending transversely of said sheet to permit the sheet to be extended and collapsed, means for extending and collapsing the sheet, binding strips secured to said sheet and extending longitudinally thereof and providing pockets on each fold, and reinforcing means located in said pockets.

2. A blind comprising a sheet folded to provide therein a plurality of folds each extending transversely of said sheet to permit the sheet to be extended and collapsed, means for extending and collapsing the sheet, binding strips secured to said sheet and extending longitudinally thereof and providing pockets on each fold, and reinforcing strips located in said pockets and each including a compound curve.

MAX SCHIER.