Aug. 21, 1956 L. MILLER 2,759,574

VANE

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Fig. 1

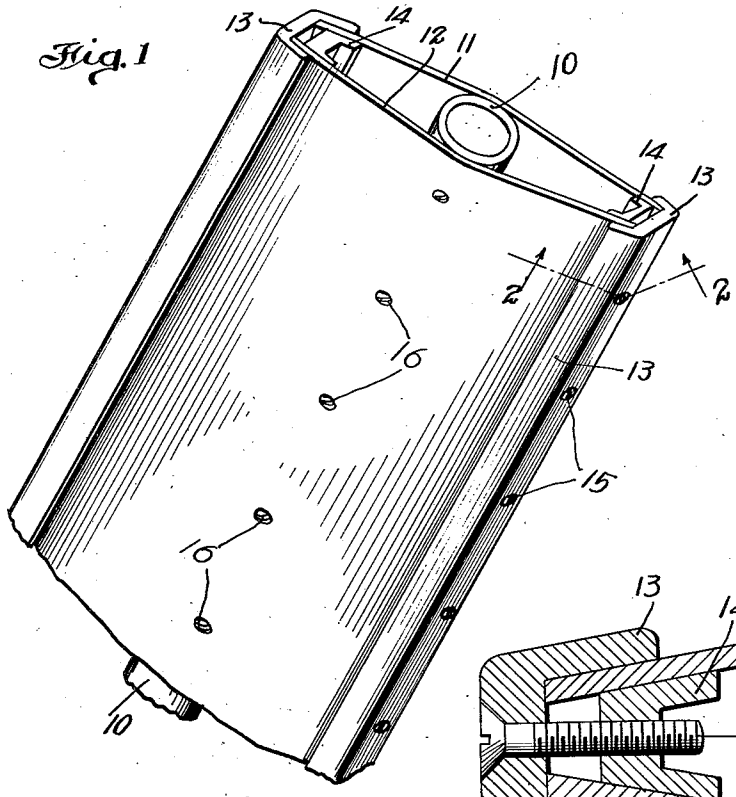
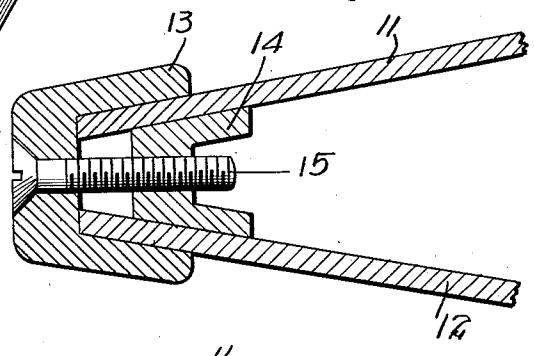


Fig. 2



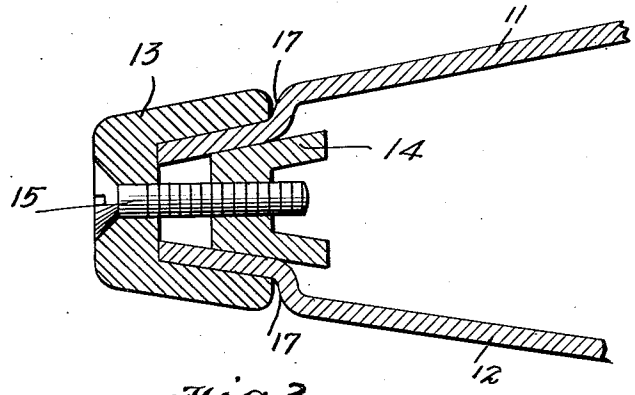


Fig. 3

INVENTOR.
LEE MILLER
BY Lyon & Lyon
ATTORNEYS

United States Patent Office

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VANE

Lee Miller, Gardena, Calif., assignor to Lemiar Corporation, Gardena, Calif., a corporation of California

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5 Claims. (Cl. 189—62)

This invention relates to a vane and more particularly to a vane of the type used in Venetian blinds, jalousies, awnings and the like and is particularly directed to an air foil type vane of light weight, yet extremely economical and rugged construction.

It is accordingly one object of this invention to provide a vane of the type described which has an air foil type cross section.

It is another object of this invention to provide a vane of the type described which is simple and economical to manufacture.

It is another object of this invention to provide a vane of the type described which is extremely rugged and easy to assemble and disassemble.

These and other objects, features and advantages will be apparent from the annexed specification in which:

Figure 1 is a perspective elevation of a vane manufactured in accordance with the present invention.

Figure 2 is a section taken along the line 2—2 of Figure 1.

Figure 3 is a section similar to Figure 2 of an alternative embodiment.

Referring now more particular to the drawings, the invention comprises a tubular shaft **10**, a pair of elongated plates **11** and **12**, preferably formed of aluminum, a pair of elongated channel-shaped caps **13**, preferably formed of aluminum extrusion and a pair of elongated spreaders **14** also preferably formed of aluminum extrusion.

The plates **11** and **12** are secured to the shaft **10** by a plurality of screws **16** received in holes drilled along the center line of the plates **11** and **12** and the plates **11** and **12** are bent towards each other on opposite sides of the shaft **10** as illustrated. The longitudinal edges of the plates **11** and **12** are clamped between the spreader **14** and cap **13** as illustrated, the cap **13** being drilled and the spreader **14** being tapped to receive a plurality of screws **15**.

Referring more particularly to Figure 3, an alternative construction is indicated in which the longitudinal edge of one or more of the plates **11** or **12** is offset inwardly

as at **17**, a distance approximately equal to the thickness of the wall of the cap **13** so as to present a smooth line exterior.

From the foregoing description, it will be apparent that the vane of this invention is provided with an air foil like cross section, is simple and easy to manufacture and assemble and yet extremely sturdy.

While there has been described what is at present considered the preferred embodiment of the invention, it will be understood that various changes and alterations may be made therein without departing from the essence of the invention and it is intended to cover herein all such changes and alterations as come within the true scope and spirit of the annexed claims.

I claim:

1. A vane assembly for Venetian blinds, jalousies and the like comprising a centrally disposed elongated shaft extending longitudinally of said assembly; a pair of elongated plates secured to said shaft on opposite sides thereof and upon a line forming the midpoint of said plates; said plates being bent inwardly towards each other at their longitudinal edges and elongated cap means covering said edges and securing the same together.

2. A vane assembly for Venetian blinds, jalousies and the like comprising a centrally disposed elongated shaft extending longitudinally of said assembly; a pair of elongated plates secured to said shaft on opposite sides thereof and upon a line forming the midpoint of said plates; said plates being bent inwardly towards each other on both sides of said shaft and means for securing the longitudinal edges of said plates comprising an elongated cap covering said edges, an elongated spreader and means securing said cap to said spreader in clamping relation to said edges.

3. A vane assembly for Venetian blinds, jalousies and the like comprising a centrally disposed elongated shaft extending longitudinally of said assembly; a pair of elongated plates secured to said shaft on opposite sides thereof and upon a line forming the midpoint of said plates; said plates being bent inwardly towards each other on both sides of said shaft and means for securing the longitudinal edges of said plates comprising an elongated cap covering said edges, an elongated spreader, said cap being drilled and said spreader tapped at a plurality of points to receive screws to secure said cap to said spreader in clamping relation to said edges.

4. A vane assembly as set forth in claim 2 in which at least one of said plates is offset inwardly along its longitudinal edges to receive said cap and present a smooth surfaced exterior.

5. A vane as set forth in claim 3 in which at least one of said plates is offset inwardly along its longitudinal edges to receive said cap and present a smooth surfaced exterior.

No references cited.