

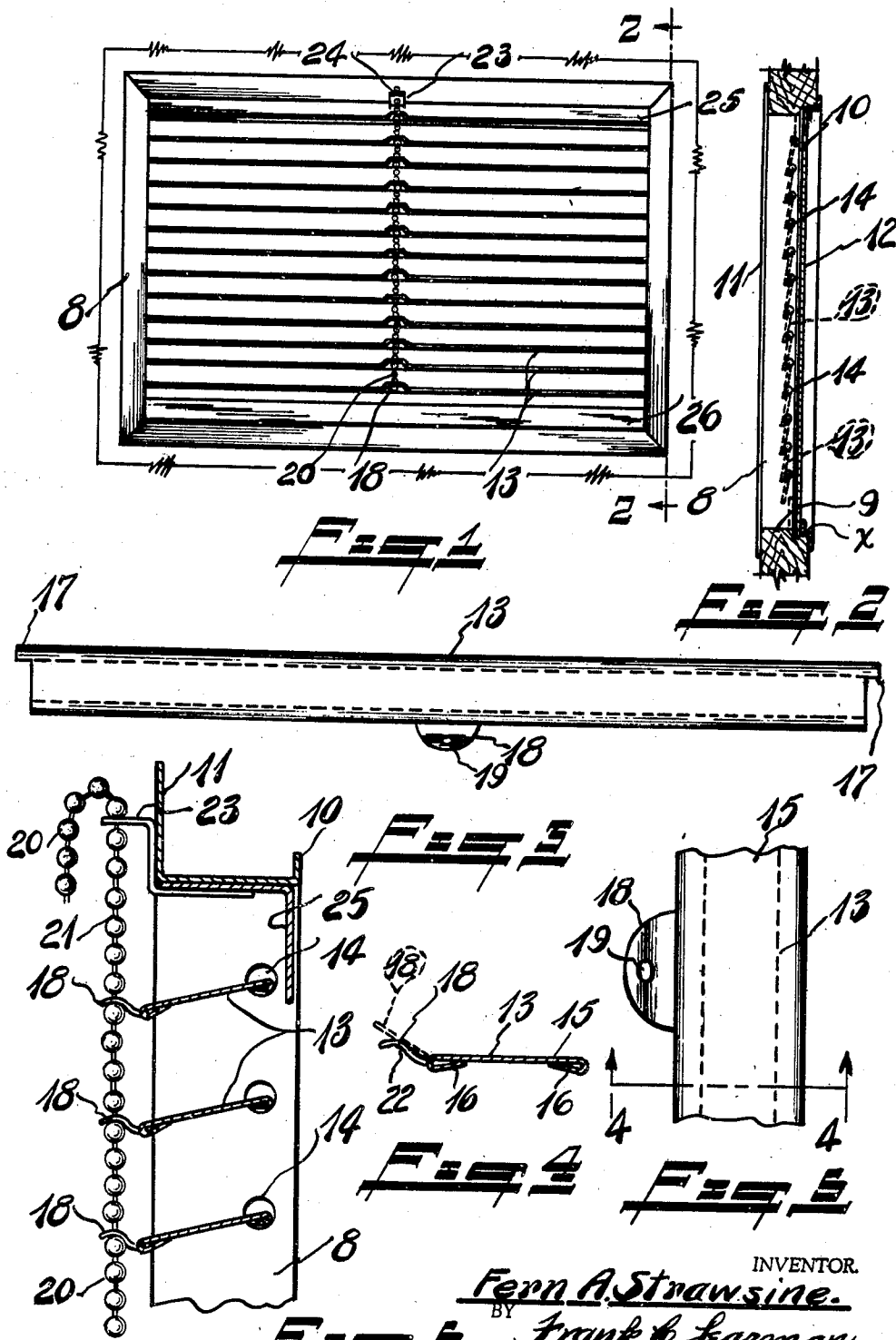
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F. A. STRAWSINE

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METHOD OF CONNECTING BEAD CHAINS TO LOUVER CLIPS

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INVENTOR.

Fern A. Strawsine.

BY

Frank C. Korman.

ATTORNEY.

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METHOD OF CONNECTING BEAD CHAINS TO
LOUVER CLIPS

Fern A. Strawsine, Corunna, Mich.

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2 Claims. (Cl. 59—35)

This invention relates to a method of connecting a link bead chain to the louver clips of a blind.

Another object is to provide a blind unit equipped with manually operable, flexible means for supporting the louvers in spaced relation in their various positions of angular adjustment.

A further object still is to provide a bead chain and clip attachment for supporting the louvers in uniform spaced apart relation as well as means for retaining said louvers in set adjusted position.

With the above and other objects in view, the present invention consists in the combination and arrangement of parts, hereinafter more fully described, illustrated in the accompanying drawing, and more particularly pointed out in the appended claims, it being understood that changes may be made in the form, size, proportion, and minor details of construction, without departing from the spirit, or sacrificing any of the advantages of the invention.

In the drawing:

Fig. 1 is a front elevational view of the blind unit equipped with a link bead chain,

Fig. 2 is an enlarged part sectional edge elevational view taken on the line 2—2 of Fig. 1,

Fig. 3 is a detail plan elevational view of one of the louvers showing the clip which engages the link bead chain,

Fig. 4 is an enlarged, transverse sectional view taken on the line 4—4 of Fig. 5, the broken lines illustrating the clip prior to the bending operation,

Fig. 5 is a fragmentary, top plan view of one of the louvers, and,

Fig. 6 is an enlarged, transverse sectional view of the blind unit.

Referring now more particularly to the drawing in which I have shown a preferred embodiment of my invention, the numeral 8 indicates a blind frame mounted in a window or door opening 9, the flanges 10 and 11 of said frame engaging the marginal edges of the opening in which it is mounted. A glass panel 12 normally forms a closure for the opening 9 in the usual manner, and a Z-shaped bar X provides for securing the glass panel in position.

A plurality of louver members 13 are pivotally mounted in openings 14 provided in the side bars of the frame 8, each louver being formed from a metal strip 15, the edges of which are turned as at 16 to reinforce and stiffen the structure, the inner turned edges projecting beyond the end of the main body of the louver and forming pivot extensions 17 adapted to be mounted in the openings 14 provided in the side bars of the frame, so that said louvers may freely pivot therein, these louvers being assembled in the side bars of the frame prior to the assembling and wilding of the frame proper.

A clip 18 is welded or otherwise secured to each louver 13 at a point spaced equi-distant from the ends thereof, and projects beyond the front edge of the louver, an opening 19 being provided in the projecting section of said clip, and is of a size to accommodate and permit free passage of a bead chain 20 therethrough, the beads 21 of said chain being of certain predetermined diameter.

After the louvers have been mounted in the frame and the bead chain threaded through the clips 18, these clips are then bent downwardly as indicated at 22, the bend being parallel to the edge of the louvers and bisecting the opening in the clip, thereby constricting the width of the openings 19 transversely to the bend sufficiently to prevent passage of the beads 21.

A clip 23 is secured to the upper bar of the frame 8 and is slit as at 24 to accommodate the bead chain links, so that the louvers may be set at any desired position of angular adjustment.

Stationary skirts 25 and 26 respectively, are provided at the upper and lower edges of the frame as shown and eliminate light streaks when the louvers are in closed position, the upper edge of the top louver overlapping the upper skirt 25, and the lower edge of the lowest louver 13 overlapping the upper edge of the lower skirt 26.

To adjust it is merely necessary to grasp the upper end of the operating chain to swing the louvers about their pivots 17 until said louvers are in the desired position of angular adjustment, after which the chain is hooked on the clip 23 to hold the louvers in set position.

From the foregoing description, it will be obvious that I have perfected a very simple, attractive, and economical blind unit for openings of all kinds.

What I claim is:

1. The method of connecting a flexible linked bead chain formed with links of smaller cross-sectional diameter than the beads to a louver clip provided with an opening therein, which consists in threading the chain through the clip opening and then bending said clip to distort the said opening sufficiently to prevent passage of the chain beads.

2. The method of connecting a linked bead chain formed with links of smaller cross-sectional diameter than the beads to a louver clip provided with an opening of a size to permit passage of the bead chain, which consists in first threading the chain through said opening, and then bending the clip downwardly and in a plane parallel to the edge of the louvers, said bend bisecting the opening in the clip to decrease the width of the opening transversely to the bend sufficiently to prevent passage of the beads through the openings in the clips.

FERN A. STRAWSINE.