

May 4, 1926.

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I. L. LAFFERTY

PIVOTALLY MOUNTED GLASS LOUVERS

Filed July 3, 1923

2 Sheets-Sheet 1

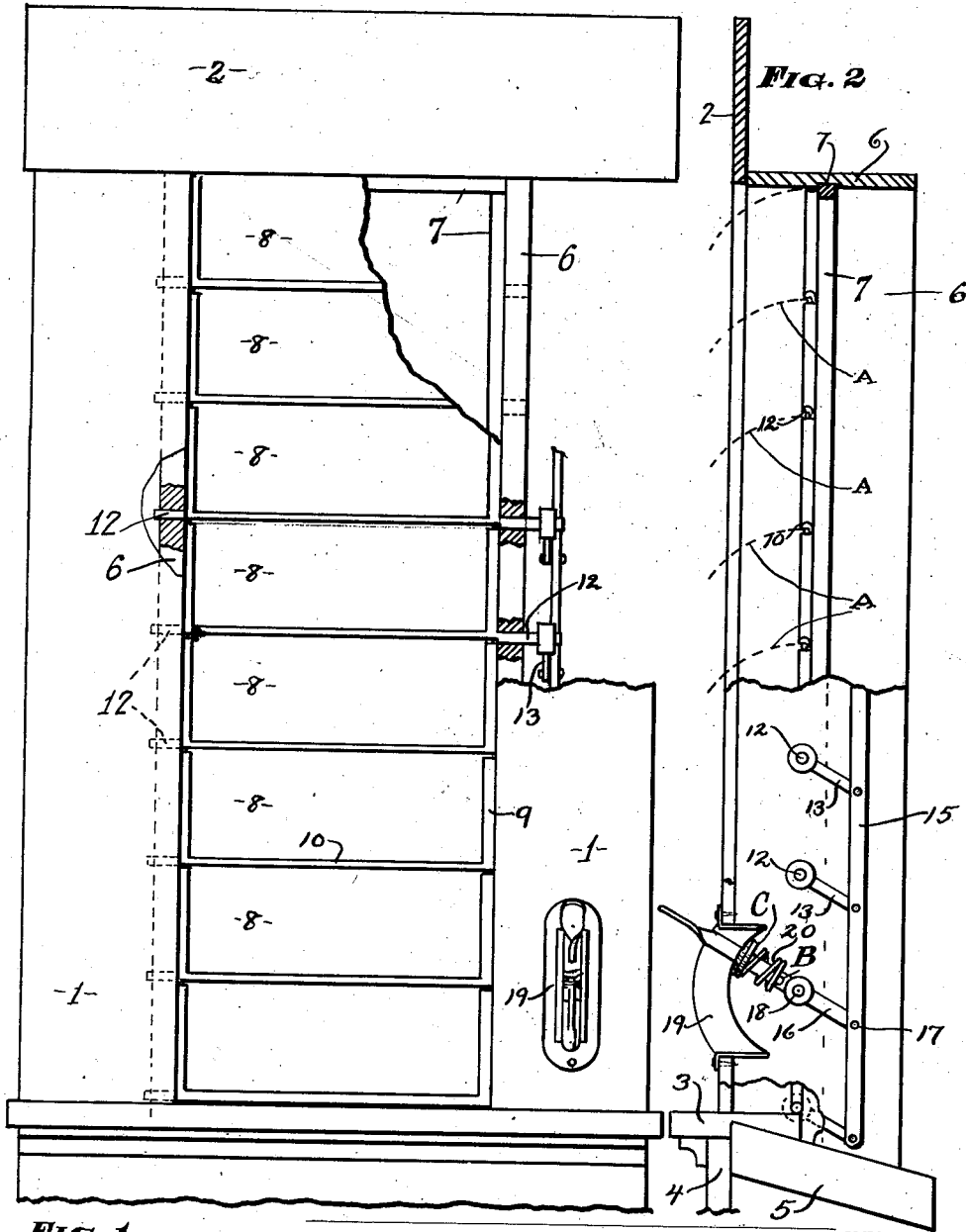


FIG. 1

INVENTOR.

Isaac L. Lafferty

BY

U. G. Charles

ATTORNEY.

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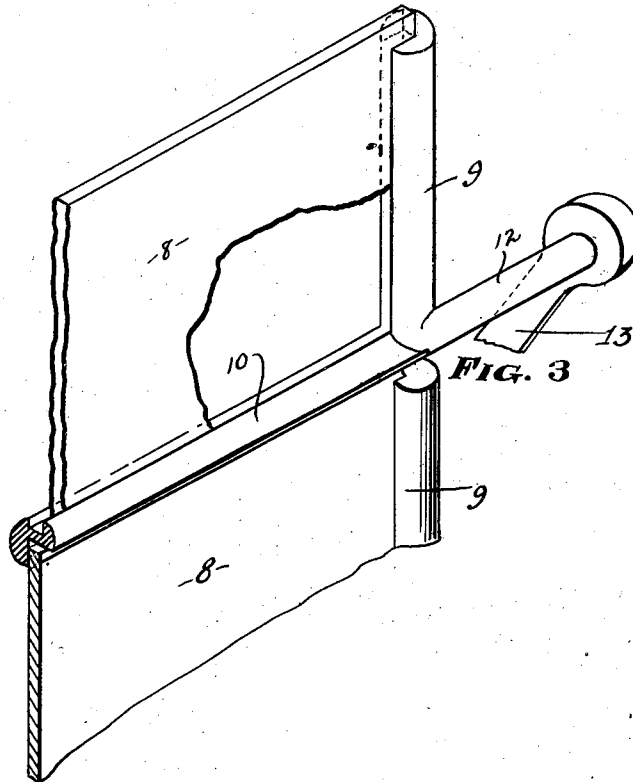
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INVENTOR.

Isaac L. Lafferty

BY

W. G. Charles

ATTORNEY.

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UNITED STATES PATENT OFFICE.

ISAAC L. LAFFERTY, OF FREDONIA, KANSAS.

PIVOTALLY-MOUNTED GLASS LOUVER.

Application filed July 3, 1923. Serial No. 649,333.

To all whom it may concern:

Be it known that I, ISAAC L. LAFFERTY, a citizen of the United States, residing at Fredonia, county of Wilson, and State of Kansas, have invented certain new and useful Improvements in Pivotaly-Mounted Glass Louvers, of which the following is a specification, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to glass louvers for windows or doors.

The object of my invention is to provide a glass louver, pivotaly mounted and operated by a lever.

A further object of my invention is to provide a pivotaly mounted louver for windows or doors the glass of which is translucent so that objects on the opposite side cannot be seen through them.

A further object of my invention is to provide a translucent glass louver, that can be closed weather tight, and opened at any angle desired for ventilation.

Referring to the drawings, Fig. 1 is a front elevation, Fig. 2 is a detailed side view, parts being removed for convenience of illustration. Fig. 3 is a detail of the louver connection.

1 is the side casings of a window frame, 2 is the head casing, 3 is the stool, 4 is the apron, 5 is the window sill, 6 is the head and side jambs, 7 is the stops engaging in the grooves of said jambs and against which the louvers will engage when closed as shown in Figs. 1 and 2.

The said louvers each have a metal frame 9 grooved to receive the glass 8 and the said frame being U-shaped in construction, the rail 10 of which is rabbeted to receive the top edge of the glass snugly of the louver next below making a weatherproof joint therewith.

The said louver frame has trunnions 12 on each end thereof and in axial alignment with rail 10, the said trunnions function as pivotal bearings for each end of the louvers, engaging in apertures in the side jambs of the window frame, and one of said trunnions being of sufficient length to pass through the jamb and receive on the end thereof an arm 13, and the opposite end of said arm being pivotaly connected to a vertically disposed bar 15, 16 is an operating lever pivotedly

connected to the bar 15, the said lever having an aperture 18 adapted to engage on one of the lower louver trunnions in operative relation with the arms 13. The opposite end of said lever 16 is adapted to extend outward through the casing 1, engaging through a plate having a segmental slot 19, and the outward end thereof functions as a handle for oscillating the bar 15 which is the medium by which the louvers are opened and closed, the upper edge following the dotted lines A as shown in Fig. 2. 20 is a coil spring positioned on the outwardly extending arm of the operating lever, said spring tensioning between pin B and a washer C, said spring engaging said washer to frictionally engage edges of the segmental slot 19, so that the louvers when partly opened will remain in such position by reason of the tensioning means on the arm of the operating lever.

Such modifications may be employed as lie within the scope of the appended claims, and having thus described my invention, what I claim as new and desire to secure by Letters Patent is:—

In a pivotaly mounted glass louver, the combination of a frame and a plurality of U-shaped louver frames, said louver frames having a groove therein to receive a glass louver, glass louvers interposed within the grooves of said frames, a rabbet in rail 10 of said frames adapted to receive the upper edge of the glass of the adjacent louver, said frames having trunnions in axial alignment with said frame portion 10, said trunnions engaging in apertures in the jambs of first said frame, stops in parallel alignment with said apertures so that the ends of said louver frames will engage snugly thereon, arms rigidly mounted on the trunnions at one end of said louvers, said arms and actuating means being positioned on the opposite side of said jamb from said louvers, an operating lever rigidly mounted on one of said trunnions the end of which is pivotaly connected to an actuating bar, and the opposite end of said lever protruding through the frame, a slot through which said lever will engage, the side walls of said slot being segmental, a spring actuated friction on said lever, said friction engaging on the said slot, all for the purpose described.

ISAAC L. LAFFERTY.