

[54] **TILT LOCK JAMBLINER AND SLIDABLE BLOCK**

[75] **Inventor:** Garry P. Haltof, Rochester, N.Y.

[73] **Assignee:** Newell Manufacturing Company, Lowell, Mich.

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[58] **Field of Search** 49/181, 176, 446, 172, 49/453, 161

4,364,199 12/1982 Johnson et al. .
 4,446,654 5/1984 Schoolman et al. .
 4,452,012 6/1984 Deal .
 4,506,478 3/1985 Anderson .
 4,551,881 11/1985 Hoffman .
 4,570,382 2/1986 Suess .
 4,610,108 9/1986 Marshik .
 4,644,691 2/1987 Wright 49/181 X
 4,683,675 8/1987 Guelck .
 4,683,676 8/1987 Sterner, Jr. .

Primary Examiner—Philip C. Kannan
Attorney, Agent, or Firm—Banner, Birch, McKie & Beckett

[56] **References Cited**

U.S. PATENT DOCUMENTS

3,012,292 12/1961 Brengman .
 3,055,062 9/1962 Peters et al. .
 3,124,849 3/1964 Osten, Sr. .
 3,184,784 5/1965 Peters .
 3,197,819 8/1965 Trout .
 3,233,278 2/1966 Ludgren .
 3,429,071 2/1969 Philipps .
 3,434,236 3/1969 Weidner et al. .
 3,462,882 8/1969 Brown, Jr. .
 3,482,354 12/1969 Trout .
 3,524,282 8/1970 Kraft et al. .
 3,611,636 10/1971 Trout .
 3,676,956 7/1972 Taylor et al. .
 3,789,549 2/1974 Yip .
 3,797,168 3/1974 Trout .
 3,844,066 10/1974 Nobes .
 3,861,082 1/1975 Dau .
 4,068,406 1/1978 Wood .
 4,079,549 3/1978 Wood .
 4,227,345 10/1980 Durham, Jr. .
 4,271,631 6/1981 Trout .
 4,363,190 12/1982 Anderson .

[57] **ABSTRACT**

The present invention is directed to a tilt lock jambliner and slidable block used with windows that both slide vertically and tilt inwardly. The window sash slides within the jambliner channel of a window frame. A pivot bar is fixedly attached to the window and is receivable within an opening in the slidable block. The slidable block is slidably mounted within the jambliner channel. The slidable block has a plurality of projections on one side which alternately engage a projecting fin of the jambliner channel. The projections cause the projecting fin to assume a wave shape. The interaction between the projecting fin and the lowermost projections creates constant running friction. Running friction is adjustable using a threaded friction adjusting screw mounted in the slidable block. The uppermost projections form a V and have sharp locking corners. When the sash is rotated, the biasing mechanism rotates the slidable block and forces the projections to engage the projecting fin and lock the slidable block and the sash in position.

33 Claims, 4 Drawing Sheets

