(No Model.)

H. HAGEMANN.

WINDOW PLATFORM.

No. 326,977. Patented Sept. 29, 1885.

Fig. 1.

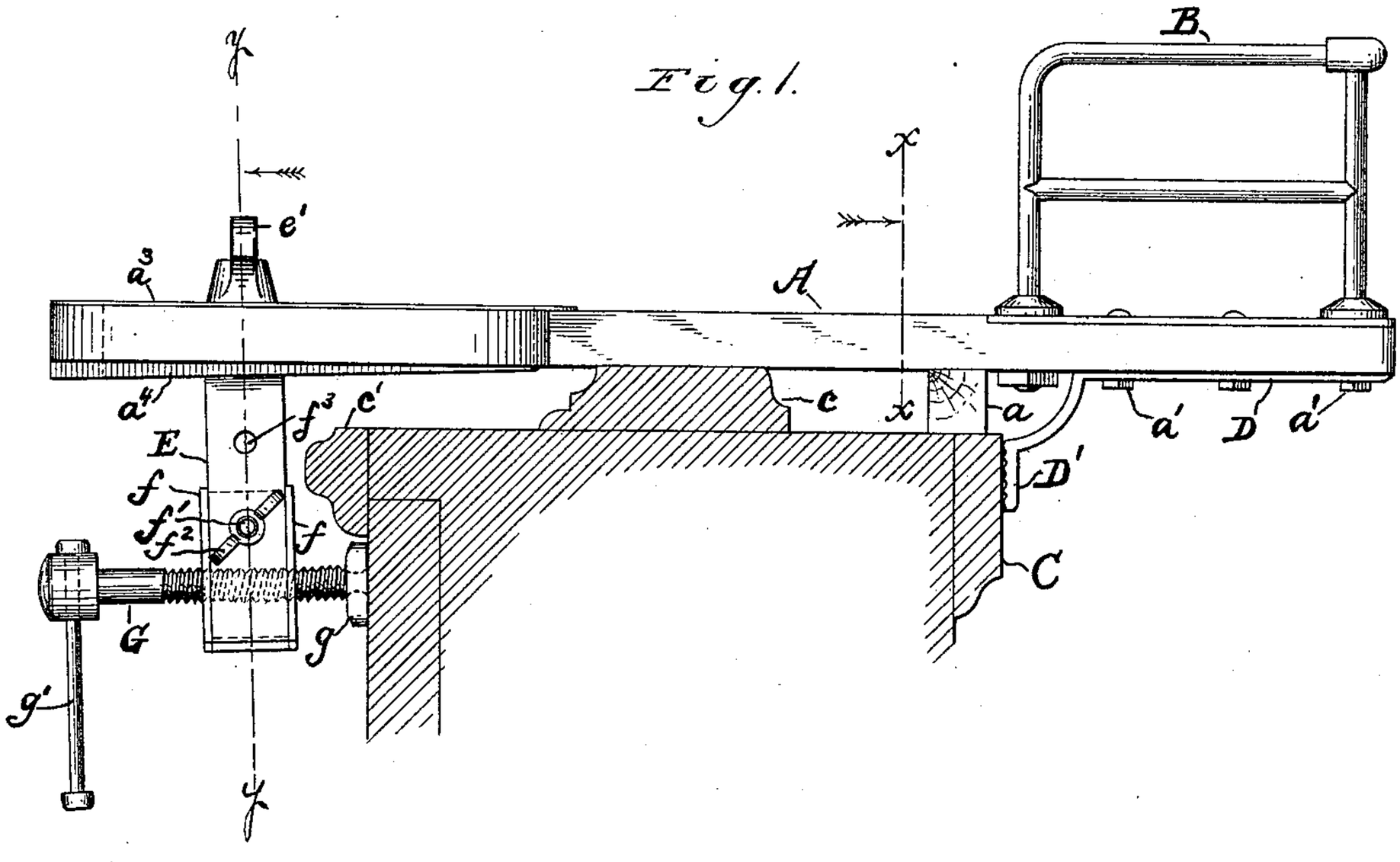


Fig. 3.

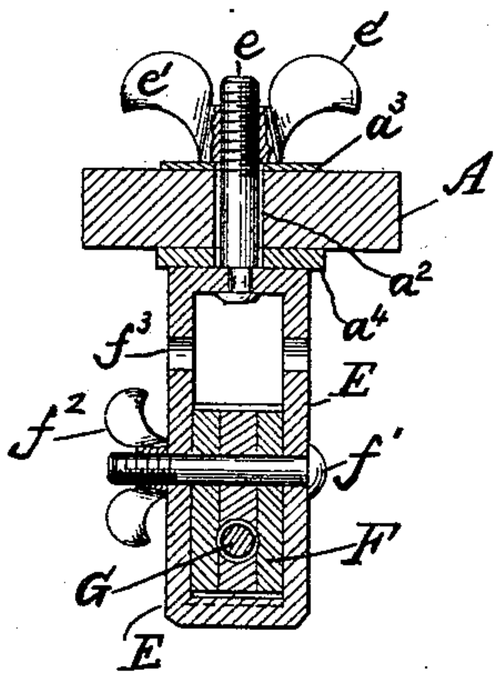
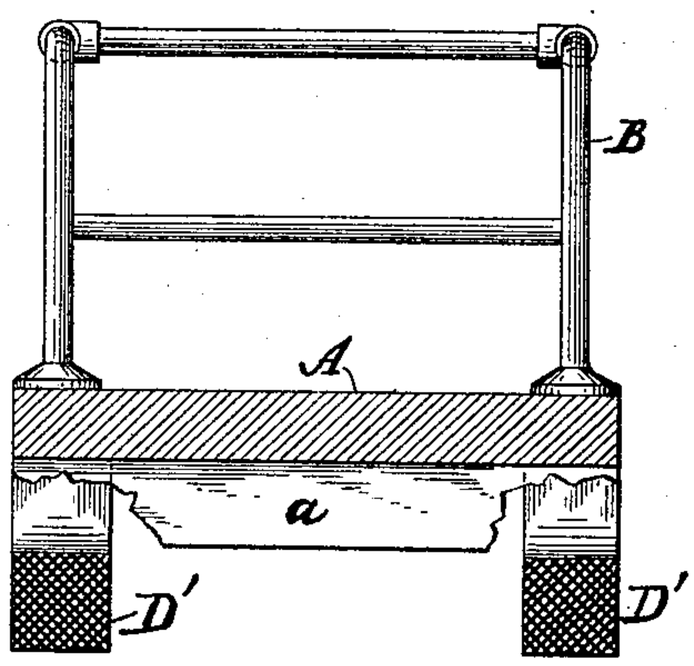


Fig. 2.



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UNITED STATES PATENT OFFICE.

HENRY HAGEMANN, OF CHICAGO, ILLINOIS.

WINDOW-PLATFORM.

SPECIFICATION forming part of Letters Patent No. 326,977, dated September 29, 1885.

Application filed June 9, 1885. (No model.)

To all whom it may concern:

Be it known that I, HENRY HAGEMANN, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Window-Platforms, of which the following is a description, reference being had to the accompanying drawings, in which—

Figure 1 shows a transverse vertical sectional view of a window-sill with a side view of my improved platform applied thereto. Fig. 2 is a transverse vertical sectional view of said platform upon the line *x x*, Fig. 1, viewed in the direction of the arrow there shown, and Fig. 3 is a transverse vertical sectional view thereof upon the line *y y*, Fig. 1, viewed in the direction of the arrow there shown.

Like letters of reference indicate like parts in the different figures.

The object of my invention is to provide a window-platform which shall be cheap and simple in its construction and operation, which may be readily and easily placed in position and adjusted to the varying styles of window-sill and the varying thickness of walls, while the long depending brackets ordinarily used thereon may be dispensed with.

A further object is to so construct the adjustable features of said platform that the greater the strain thereon the more firmly they may retain their respective positions, all of which will be hereinafter more particularly described, and denfinitely pointed out in the claims.

In the drawings, A represents said platform, which consists of a board or plank of the desired size and strength for the purposes for which the same is intended, said platform being preferably provided with a railing, B, of suitable height, the same being preferably constructed from gas-pipe united by means of suitable "unions," and bolted to said plank, as clearly shown in the drawings. Said plank is likewise provided with a cleat, *a*, attached to its bottom, and of sufficient thickness to enable it to rest upon the outer edge of the window-sill C, and support said plank clear of or on a level with the usual sash-molding, *c*, upon the window-sill.

Attached beneath and around the outer edges of said platform, as shown in Fig. 1, and secured thereto by means of bolts *a'*, I place a metal plate, D, having downwardly-projecting ends or "crabs" D' D', the inner surface of which is scarfed, as shown in Fig. 2, so that when pressed firmly against the window-ledge they may be less liable to slip, said crabs serving as a purchase or hold for the opposing pressure of the clamping device hereinafter described. The opposite end of said plank is made narrower, by preference, than that surrounded by the railing, and is provided with a central vertical slot, a^2, Fig. 3, of a sufficient length to enable the fastening device hereinafter described to be adjusted to the usual variation in the thickness of walls. Upon the top and bottom, respectively, of said plank I attach metal plates a^3 a^4, through which the slot a^2 extends, the plate a^4 being wedge-shaped, and having its thick end placed toward that of the small or inner end of the plank A; or the plate may be of uniform thickness, in which case the plank itself may be made wedge-shaped—that is to say, the under surface of said plank throughout the length of said slot a^2 may be in a plane oblique to its upper surface, thus making that portion of said plank gradually thicker toward inner end, which would be equivalent to making said plate a^4 as shown. Passing loosely through the slot a^2, so that the same may be adjustably secured to said plank by a thumb-nut, *e'*, is a bolt, *e*, the lower end of which is attached to a depending metal frame or part, E, in which is inserted an adjustable slide, F. (Shown in section in Fig. 3, and indicated in dotted lines in Fig. 1.) Said slide is provided with flanges *f f* in front and rear to retain the same in position, while it is permitted thereby to slide up and down. Said block F may be temporarily secured in any position, high or low, in said frame, by means of the bolt *f'* and thumb-nut f^2 inserted in suitable perforations, f^3, of which any desirable number may be provided.

A set-screw, G, is inserted through the block F at right angles to the bolt *f'*, and has loosely attached to its protruding or screw end a block or clamp, *g*, Fig. 1, which is adapted to rest against the inside of the window-sill below the usual inside molding, *c'*. A suitable handle or bar, *g'*, is provided for tightening the screw G.

In adjusting said platform for use it is placed upon the window-sill in the manner shown, the spurs or clamps D' resting against the out-

side of the sill C. The thumb-nut e' is then loosened and the part E moved backward or forward to correspond approximately to the thickness of the window-sill. The block F is then raised or lowered sufficiently to bring the screw G beneath the molding c', when it is secured in the desired position by means of the bolt f' and thumb-nut f^2. Upon tightening the thumb-nut e' the screw G may likewise be tightened, which presses the spurs or crabs D′ D′ firmly against the outside of the sill, thus securing the whole firmly in place. When thus secured, it is obvious that by reason of the interposition of the wedge a^4, any weight upon the outer end of the platform only serves to secure said adjustable clamping device more firmly and securely in place, and to thus prevent accident by reason of the slipping of the same, it being impossible for it to slip backward unless the screw is first loosened to permit said movement.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. An adjustable window-platform consisting of a suitable plank provided with crabs for engaging the outer portion of the window-sill, and a clamping device at or near the opposite end adjustably secured to a longitudinal slot within said plank, and provided with a movable block having a vertical adjustment therein, and a set-screw, whereby said platform may be firmly clamped to window-sills of varying width and construction, substantially as and for the purposes set forth.

2. An adjustable window-platform provided with an inner wedge-shaped portion or end, as at a^4, and a suitable clamping device adjustably secured thereto by means of a bolt and thumb-nut, whereby a weight upon said platform may serve to tighten the fastening of said clamping device and prevent slipping, substantially as described.

3. The combination, in a window-platform, of the plank A, provided with crabs D′ D′, slot a^2, having part E adjustably secured therein, said part E being provided with the vertically-adjustable block F, and set-screw G, substantially as and for the purposes specified.

4. The combination, in a window-platform, of the plank A, provided with crabs D′ D′, slot a^2, wedge-shaped part a^4, said slot having part E adjustably secured therein, the latter being provided with the vertically-adjustable block F and set-screw G, substantially as and for the purposes specified.

5. The combination of the plank A, provided with crabs D′ D′, slot a^2, wedge-shaped portion a^4, fastening device E, provided with the adjustable block F and set-screw G, and cleats a, substantially as and for the purposes described.

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