(No Model.)

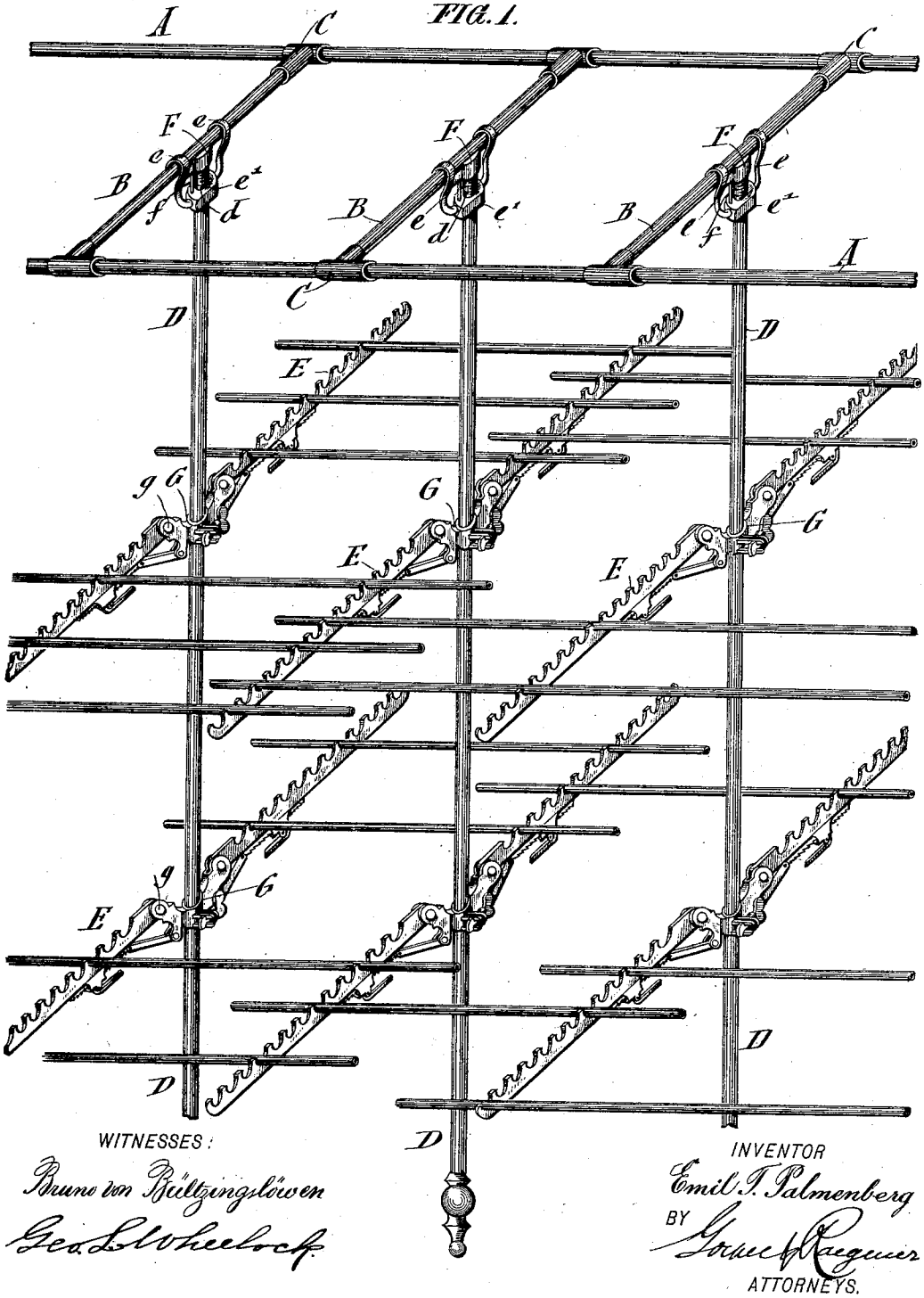
2 Sheets—Sheet 1.

E. T. PALMENBERG.

DISPLAY FIXTURE FOR STORES.

No. 605,678. Patented June 14, 1898.

FIG. 1.



WITNESSES:

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(No Model.) 2 Sheets—Sheet 2.

E. T. PALMENBERG.

DISPLAY FIXTURE FOR STORES.

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FIG. 2.

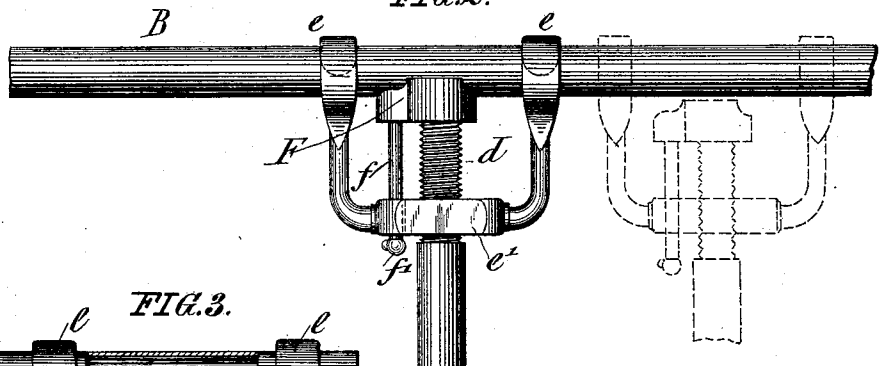


FIG. 3.

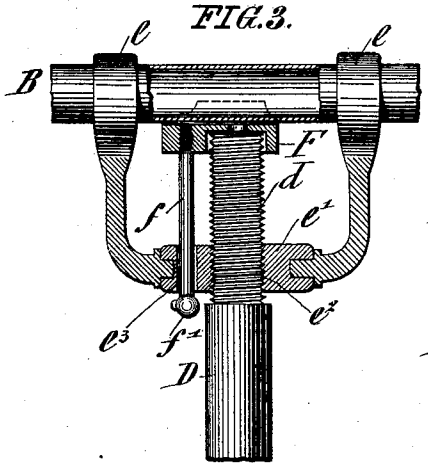
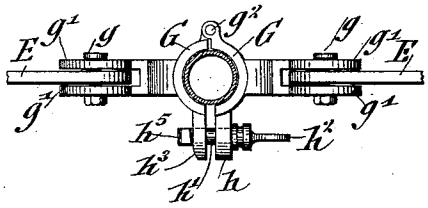
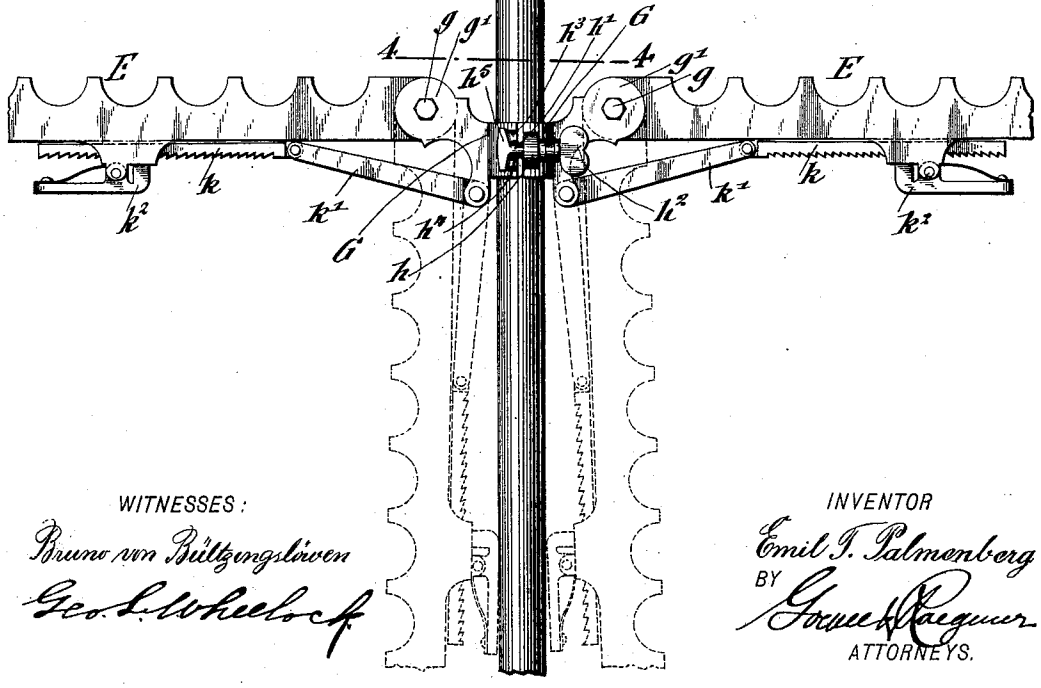


FIG. 4.





WITNESSES:

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UNITED STATES PATENT OFFICE.

EMIL T. PALMENBERG, OF NEW YORK, N. Y., ASSIGNOR TO J. R. PALMENBERG'S SONS, OF SAME PLACE.

DISPLAY-FIXTURE FOR STORES.

SPECIFICATION forming part of Letters Patent No. 605,678, dated June 14, 1898.

Application filed December 28, 1897. Serial No. 663,897. (No model.)

To all whom it may concern:

Be it know that I, EMIL T. PALMENBERG, a citizen of the United States, residing in the city, county, and State of New York, have invented certain new and useful Improvements in Display-Fixtures for Stores, of which the following is a specification.

This invention relates to display-fixtures for stores, the object of the invention being to provide means for more readily manipulating the parts of the fixture, whereby said parts can be quickly adjusted with less inconvenience than heretofore, so as to overcome the objection of placing a step-ladder or chair in the show-windows for getting at said parts for adjusting them.

The invention consists of a frame-bar for supporting the display portions of the fixture, a bracket-supporting bar, and a clamp attached to the bracket-supporting bar and adapted to be clamped upon the frame-bar, said clamp consisting of a hook member provided with a head having a screw-threaded opening which receives a screw-threaded neck on the bracket-supporting bar, and a clamping-shoe against which the neck of the supporting-bar abuts, said shoe being provided with means for preventing its rotation relatively to the supporting-bar when the latter is rotated for the purpose of clamping the said parts upon the bracket-supporting bar.

The invention consists, further, of details to be hereinafter described, and then particularly claimed.

In the accompanying drawings, Figure 1 is a perspective view of a display-fixture for show-windows, the same being provided with my improvements. Fig. 2 is an enlarged detail view more clearly showing my improvements, the clamp being shown in dotted lines as open and shifted along the frame-bar. Fig. 3 is a broken detail side elevation showing the clamp applied firmly to a frame-bar; and Fig. 4 is a transverse section on the line 4 4, Fig. 2.

Referring to the drawings, A A indicate the horizontal bars, and B B indicate the cross-bars, which are connected to the horizontal bars by means of suitable T-couplings C, said parts forming the main supporting-frame of the display-fixture and being fitted and supported in any suitable manner in the upper part of a show-window or show-case.

D indicates the hanging bracket-supporting bars, on which are supported the notched brackets or racks E. The bracket-supporting bars are usually attached to the frame-bars B by means of set-screws or similar fastenings, which are inaccessible to a person standing on the bottom of the show window or case. Consequently in order to get at the fastening means it is necessary to place a step-ladder or a chair in the show-window, which is sometimes inconvenient, and is of course undesirable, as injury is thereby liable to result to some of the goods. In order to overcome this difficulty my invention is intended, the bracket-supporting bars being shifted or set at different points along the frame-bars without having to resort to the use of a step-ladder or chair. The means for accomplishing this purpose consists of a clamp, which is arranged at the upper end of each bracket-supporting bar, said clamp comprising a hook member provided with a pair of hooks *e e*, extending upwardly from diametrically opposite points of its head *e'*, and said head being provided with a central screw-threaded opening e^2, in which is screwed the exteriorly-screw-threaded neck portion *d* of a bracket-supporting bar D. The upper end of the neck portion D of the bracket-supporting bar is received in a recess or socket in the under side of a shoe F, which is arranged intermediately of the hooks *e*, and which is provided at one side with a depending post or pin *f*, that is guided through a guide-hole e^3, made in the head *e'* at one side of the screw-threaded opening e^2. The guide-pin *f* is provided at its lower end with a knob or button *f'*, that prevents the detachment of the said shoe from the other portions of the clamp.

In using position the hooks *e* of the hook members are hooked over the frame-bars B, so that the bracket-supporting bars D will hang therefrom. The operative ends of the hooks *e* preferably conform at their bearing-surfaces to the curvature of the frame-bars. At the upper side of each frame-bar the shoe F bears, said shoe being likewise on its bear-

ing-surface concave, so as to conform to the curvature of each frame-bar. When the supporting-bars are clamped to the frame-bars through the medium of the described clamps, the same are firmly fixed in position. If now it be desired to shift or adjust any bracket-supporting bar from one position to another position on its frame-bar, the said bracket-supporting bar is rotated in the proper direction from its lower end, so that it is screwed outwardly and lowered a sufficient degree to permit the lowering of the shoe F by gravity, whereby its hold on the frame-bar is released. In turning the bracket-supporting bar on its axis the two hooks coöperate in preventing the turning of the clamp, so that the bracket-supporting bar can be screwed outwardly. On the other hand, the guide-pin *f* on the adjustable shoe F prevents the relative rotation of said shoe, so that its concaved bearing-surface is always held in position for clamping upon the frame-bar. The bracket-supporting bar D is of course not attached to the shoe F, nor does it act on the same in any manner, except to raise it and permit it to lower by gravity. After the supporting-bar and the shoe F are sufficiently lowered the clamp and supporting-bar are shifted along the frame-bar B, say to the position shown in dotted lines in Fig. 2, and the supporting-bar is then turned in proper direction, so that the neck portion *d* is screwed in and the shoe F pressed against the frame-bar, whereby through the combined clamping action of the said shoe and the hooks *e* the supporting-bar is fixed in position, thus by the provision of means whereby each supporting-bar can be adjusted from its lower end dispensing with the use of a step-ladder or chair in the show-window. When the supporting-bar is to be entirely removed from the frame-bar, it must, of course, be screwed out to a further extent, so that the hooks and the shoe can clear the frame-bar.

For the furtherance of the idea of the quick and convenient adjustment and manipulation of the parts of the display-fixture the racks or brackets E, before referred to, are pivoted at *g* between the ears *g'* of two semicircular clips G, which are hinged together at g^2. One of the clips G is provided at its free end with a lug *h*, which is provided with a bearing for the shank of a T-shaped keeper *h'*, which is provided with a finger-piece h^2. The other clip G is provided with a lug h^3, complementary to the lug *h*, but having a notch or recess h^4 coincident with the shank *h'* of the keeper, so that when the head h^5 of the keeper is set in alinement with the said notch or recess it can pass through or out of the same for the purpose to be now stated.

When it becomes necessary to apply the racks or brackets to the bracket-supporting bars, the clips G are opened and slipped onto the proper bracket-supporting bar and then closed, the head h^5 of the keeper being so set as to pass through the notch or recess h^4. When the clips are closed together upon the bracket-supporting bar, the keeper is turned by means of its head or finger piece h^3, so as to set the head h^5 of the keeper across the said notch or recess, whereby the head is caused to engage and lock with the notched lug h^3. This attachment is accomplished quickly, and the clips can be as quickly detached by simply rotating the keeper to the proper position and opening the clips.

The notched brackets or racks are raised or lowered and adjusted to any angle by any suitable means—such as, for instance, a toothed rack-bar *k*, guided through a portion of the bracket and pivoted at one end to a link *k'*, pivoted in turn to the clips, the teeth of which rack-bar are engaged by means of a spring-actuated dog k^2.

By means of my improved display-fixture store windows or cases can be more quickly and conveniently dressed and the parts of the fixture can be more quickly and conveniently adjusted or removed and placed into position than heretofore.

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

1. In a display-fixture for show windows or cases, the combination with the main frame provided with a frame-bar, of a depending bracket-supporting bar, and a clamp for connecting the bracket-supporting bar adjustably to the frame-bar, said clamp consisting of a hook member provided with a head having a screw-opening for receiving the screw-threaded neck of the bracket-supporting bar and a shoe member opposing the hook member and provided with a guide-pin guided through an opening in the said head for the hook member, substantially as set forth.

2. In a display-fixture for show windows or cases, a bracket-supporting bar provided with a screw-threaded end or neck, in combination with a clamp comprising a hook member provided with a head having a screw-threaded opening for receiving said screw-threaded neck, and a shoe member opposing said hook member and provided with a guide-pin guided through a guide-opening in the head of said hook member, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

EMIL T. PALMENBERG.

Witnesses:
PAUL GOEPEL,
MAX H. WURTZEL.