H. ESSER.

Drawing-Pins.

No. 152,985. Patented July 14, 1874.

Fig: 1

Fig: 2

Fig: 3

Fig: 4

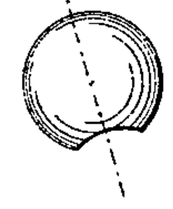

Fig: 5

Fig: 6

Fig: 7

Fig: 8

Witnesses:

Jos. A. Briesen

Chas. Raithig.

Inventor:

Hermann Esser

by his attorney

A. V. Briesen

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

HERMANN ESSER, OF HOBOKEN, NEW JERSEY.

IMPROVEMENT IN DRAWING-PINS.

Specification forming part of Letters Patent No. **152,985**, dated July 14, 1874; application filed May 21, 1874.

To all whom it may concern:

Be it known that I, HERMANN ESSER, of Hoboken, in the county of Hudson and State of New Jersey, have invented an Improved Head for Drawing-Pins, Tacks, &c., of which the following is a specification:

Figures 1, 2, 3, and 4 are face views of various forms of pin-heads containing my invention. Figs. 5, 6, 7, and 8 are central sections of the same, respectively.

The object of this invention is to facilitate the removal of drawing-pins or tacks from the drawing or other board in which they are fastened.

Drawing-pins should have their heads as much flattened as possible, and the edges beveled or rounded, so they will not obstruct the motions of the T-squares. Their edges are, therefore, quite sharp, and in the attempt to remove them from the boards draftsmen frequently cut their fingers and injure their finger-nails, especially when such pins have been properly pressed upon the paper. To obviate this difficulty of removal, some manufacturers have made the heads of their pins with vertical corrugated edges, which pins were of course easy to withdraw, but formed obstructions to the T-squares and triangles, and were often knocked out of the wood by the T-squares and triangles.

I improve the superior flat-headed drawing-pin by cutting a portion out of its edge at one or more places, as is clearly indicated in the drawing, thus producing, where the narrow edge is cut away, a thicker hold for the finger, and a convenient recess for applying the finger, without at the same time increasing the thickness of the head at all. A pin-head of this form will allow the T-square, triangle, and other tool to ride over it without hinderance, and will, in so doing, not materially elevate such tool from off the paper, while it will be easily withdrawn, when desired.

Figs. 2 and 6 show the most desirable mode of carrying my invention into effect—that is, by cutting the edge of the recess at an acute angle to the top surface, thus giving an additional undercut for inserting the finger-nail; but even when the recesses are cut with vertical edges will the pin be readily removable.

The invention is, of course, also applicable to other than drawing-pins and tacks having flat heads to facilitate the application of the fingers or tools which are to withdraw such pins or tacks, without increasing the thickness of the heads.

I claim as my invention—

A thumb-pin or drawing-pin head made with a recess in its edge to facilitate the withdrawal of the same, substantially as described.

HERMANN ESSER.

Witnesses:

A. V. BRIESEN,

F. V. BRIESEN.