

(No Model.)

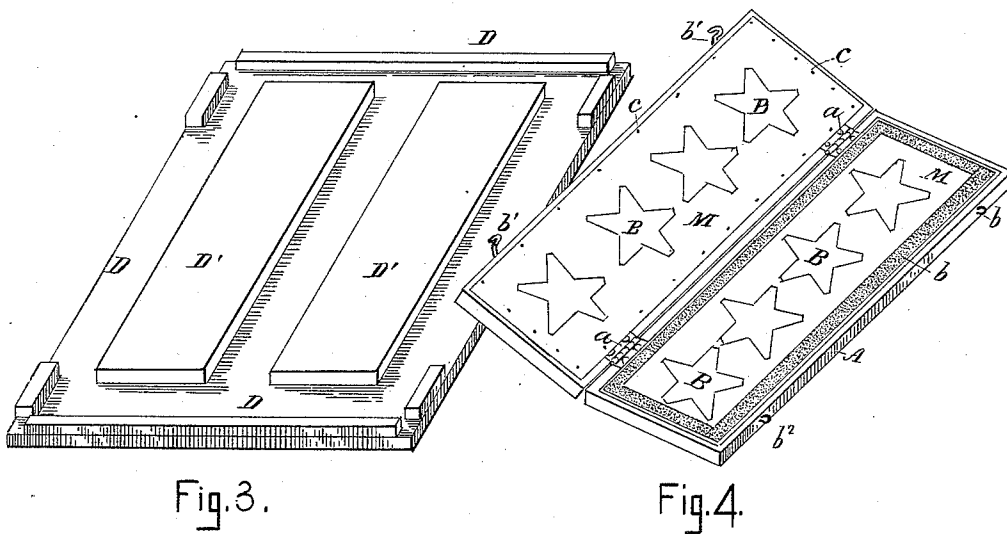
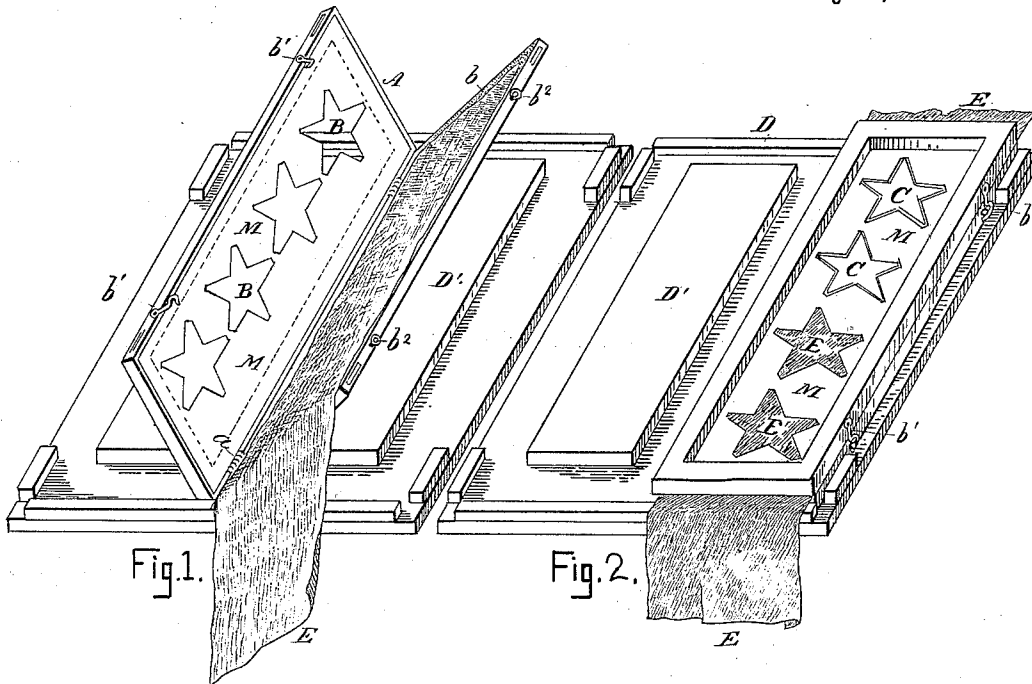
2 Sheets—Sheet 1.

J. HOLT.

DEVICE FOR ATTACHING STARS TO FLAGS.

No. 257,222.

Patented May 2, 1882.



Witnesses
Eugene H. Hylan
Seth H. Jones

Inventor.
John Holt

(No Model.)

2 Sheets—Sheet 2.

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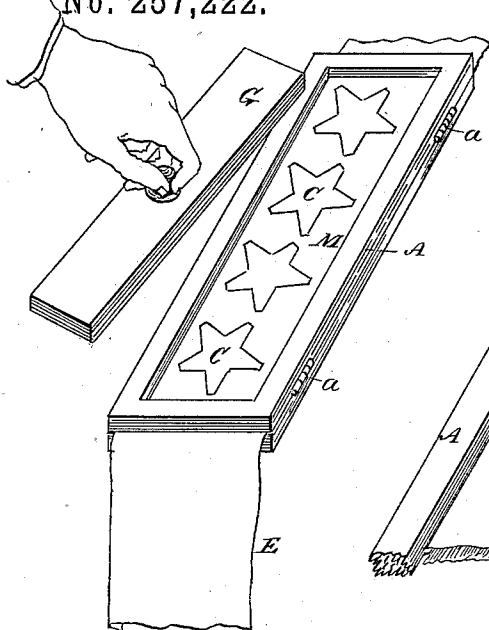


Fig. 5.

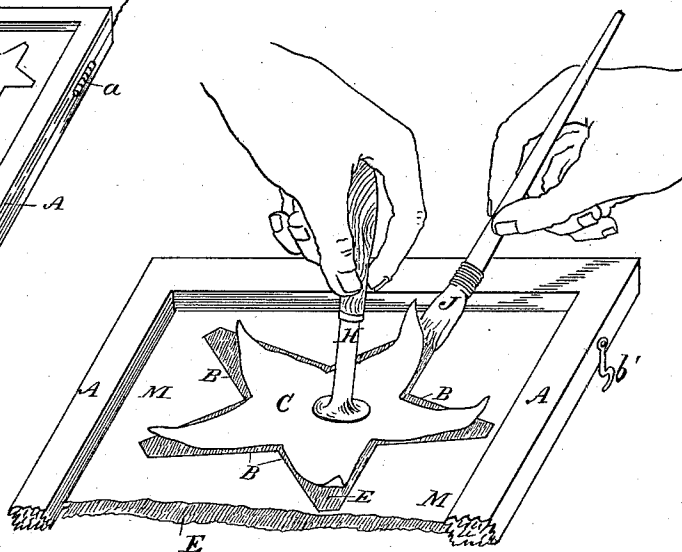


Fig. 6.

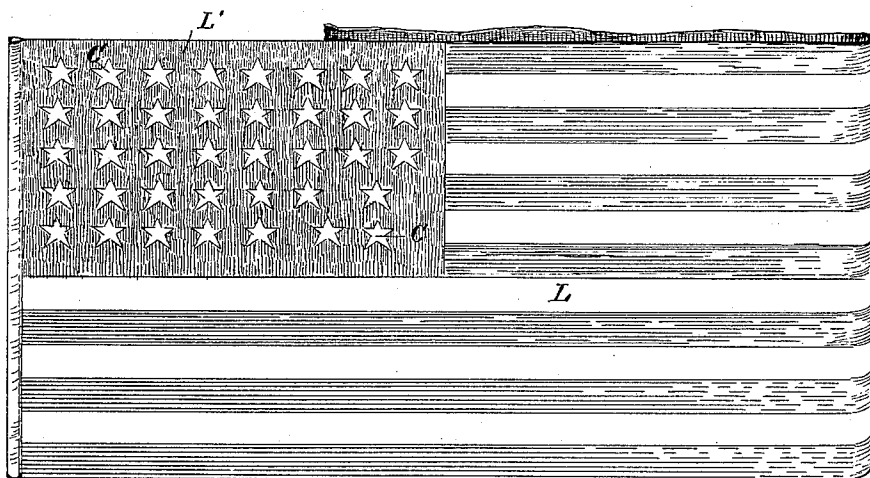


Fig. 7.

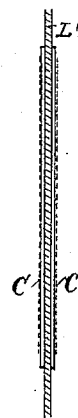


Fig. 8.

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UNITED STATES PATENT OFFICE.

JOHN HOLT, OF LOWELL, MASSACHUSETTS.

DEVICE FOR ATTACHING STARS TO FLAGS.

SPECIFICATION forming part of Letters Patent No. 257,222, dated May 2, 1882.

Application filed February 17, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN HOLT, of Lowell, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Devices for Placing Stars Upon a Flag, which invention I will describe as follows:

In the drawings which form a part of this specification, Figure 1 shows the frame open and with a strip of the field of a United States flag adjusted therein. Fig. 2 shows said frame closed and fastened, with a strip of the field inclosed and a part of the stars in place. Fig. 3 shows what may be termed a "mold-board," also seen in Figs. 1 and 2, upon which the frame is placed and adjusted when in operation; and Fig. 4 illustrates said frame removed from the mold-board and opened upon its hinges, the strip to be operated upon being removed in this figure. Fig. 5, Sheet 2, shows a strip in the frame, the frame being closed and fastened, the stars adjusted upon one side of the strip, and a drying-weight ready for use, in the manner hereinafter described. Fig. 6 shows the manner of holding a star in place and at the same time lifting the points of the star by application of a weight at the center thereof for the purpose of applying paste to the under sides of said points, so as to temporarily stick said points to the strip operated upon. Fig. 7 shows one side of the completed flag with the stars permanently stitched upon the field, and Fig. 8 is a section of the field to illustrate two stars as stitched to both sides and through the field and exactly opposite each other.

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

My invention consists in a frame opening and closing by means of hinges or other equivalent device, and fastened, when closed, by hooks, as shown, or by any equivalent and suitable means. Within each side of said frame is stretched and securely held, by tacks or their equivalent, stiff paper or other suitably thin and substantial fabric, said fabric being cut into the shape of stars for a flag, said star-shaped openings to be at the distance apart required for the stars upon the flag to be made. Strips of sand-paper or other abrasive fabric are placed upon both sides and both ends of

the inside of one side of the frame and upon the edge of the paper lining to hold the strip of field in place during the act of closing the frame. A mold-board is provided, upon which the frame is temporarily adjusted, so as to furnish a bearing for the strip of flag while the stars are being adjusted and temporarily pasted thereon, the mold-board being made double, as it were, so that the frame may be turned over thereon for the purpose of adjusting stars and pasting them upon each side of the strip of field and exactly opposite each other. A weight is also provided, to be placed upon the center of each star to lift the points of the star, so that paste or other adhesive matter can be spread thereunder, and the weight also serves the additional purpose of holding the star firmly in place until it is pasted to the field. When the stars are thus temporarily adjusted, the strip of field is removed from the frame, and each two opposite stars and the field are stitched through and together, in the ordinary and well-known manner.

A is a frame, opening and closing on the hinges *a*, and provided with the hooks *b'* and eyes *b''*, for fastening when closed.

M is a stiff thin lining, preferably of paper, stretched within each side of the frame A and fastened by the tacks *c*, as clearly shown in Fig. 4. The abrasive strips *b* (seen in full in Fig. 4) are for the purpose of holding the flag material E in place during the act of closing the frame A. The strips *b* are fastened preferably by driving the tacks *c* through said strips and the lining M into the frame.

B are star-shaped openings in the lining M, said openings in the linings M of the two sides of the frame A to be exactly opposite each other.

D is a mold-board with two moldings, D', said moldings D' to be used as bearings in adjusting the stars C upon the flag material E and pasting said stars upon said material. The use of said moldings is shown in Fig. 2, said figure showing two stars, C, adjusted and pasted in their places upon the material E and within the openings B in the lining, and also illustrating two more openings B ready to receive stars.

In the practical work of making flags, it is better to take strips of material for a field of

proper length and width to take seven or eight stars, or, in short, that the length of the strips had better be of the desired length of the field, so that the strips need only be pieced together longitudinally in completing the field. Of course a frame could be made large enough to attach the stars to an entire field at once; but such a frame is of a size and shape to be inconvenient in handling. The frame is shown in the drawings as only long enough to adjust four stars at a time; but this is done merely for economy of space in making the drawings.

The operation of my invention is substantially as follows: The frame A is opened wide upon the mold-board D; the strip of flag material is then placed in the frame, and upon the side thereof upon which are the abrasive strips *b*, said material covering said side completely. When the frame is thus opened for the reception of the flag material and placed upon the mold-board D, it should be over and upon the two moldings D'. After the flag material is adjusted as above described the frame is closed and fastened, as seen in Fig. 2. A star made of any desired material is then placed within one of the openings B and the process illustrated in Fig. 6 then follows—that is to say, any suitable weight, H, is placed upon the center of the star C, thus holding the star in place, and at the same time lifting the points of said star, as shown in Fig. 6. The operator, with any suitable brush, J, or by other equivalent means, then spreads a paste or any proper adhesive material upon the under side of the points of the star C, as shown in Fig. 6, then pressing said points down on to the fabric E and within the openings B. After all the stars for one side of the strip of flag fabric are thus at-

tached the frame A, still locked and containing the strip of flag fabric, is turned over and fitted over and upon the opposite molding D'. Like stars are then adjusted upon the opposite side of said strip E and pasted thereon, in the same manner as before described.

In order to facilitate the drying of the paste, a metal weight, G, moderately heated, may be placed upon each set of stars after the pasting process, and before the frame is moved, so as to avoid displacing the stars. The frame A may now be opened, the strip taken out, and the two opposite stars C and the strip of the field L' stitched together and stitched through, as shown in Fig. 8. Said stitching being completed, the strips of the field being pieced, and thus forming the entire field L', said field is then attached to the rest of the flag in the ordinary manner, one side of which is illustrated by Fig. 7.

What I claim as new, and desire to secure by Letters Patent, is—

A device for attaching stars to a flag, consisting of the frame A, provided with hinges *a*, books and eyes *b'* and *b''*, respectively, and also equipped with the linings M, said linings containing the star-shaped openings B, said openings within each side of the frame being exactly opposite each other, the abrasive strips *b*, the mold-board D, with two moldings, D', the holding-weight H, and the drying-weight G, constructed, arranged, and combined substantially as described and shown.

JOHN HOLT.

Witnesses:

JOHN DAVIS,
ALMERIA L. BOYNTON.