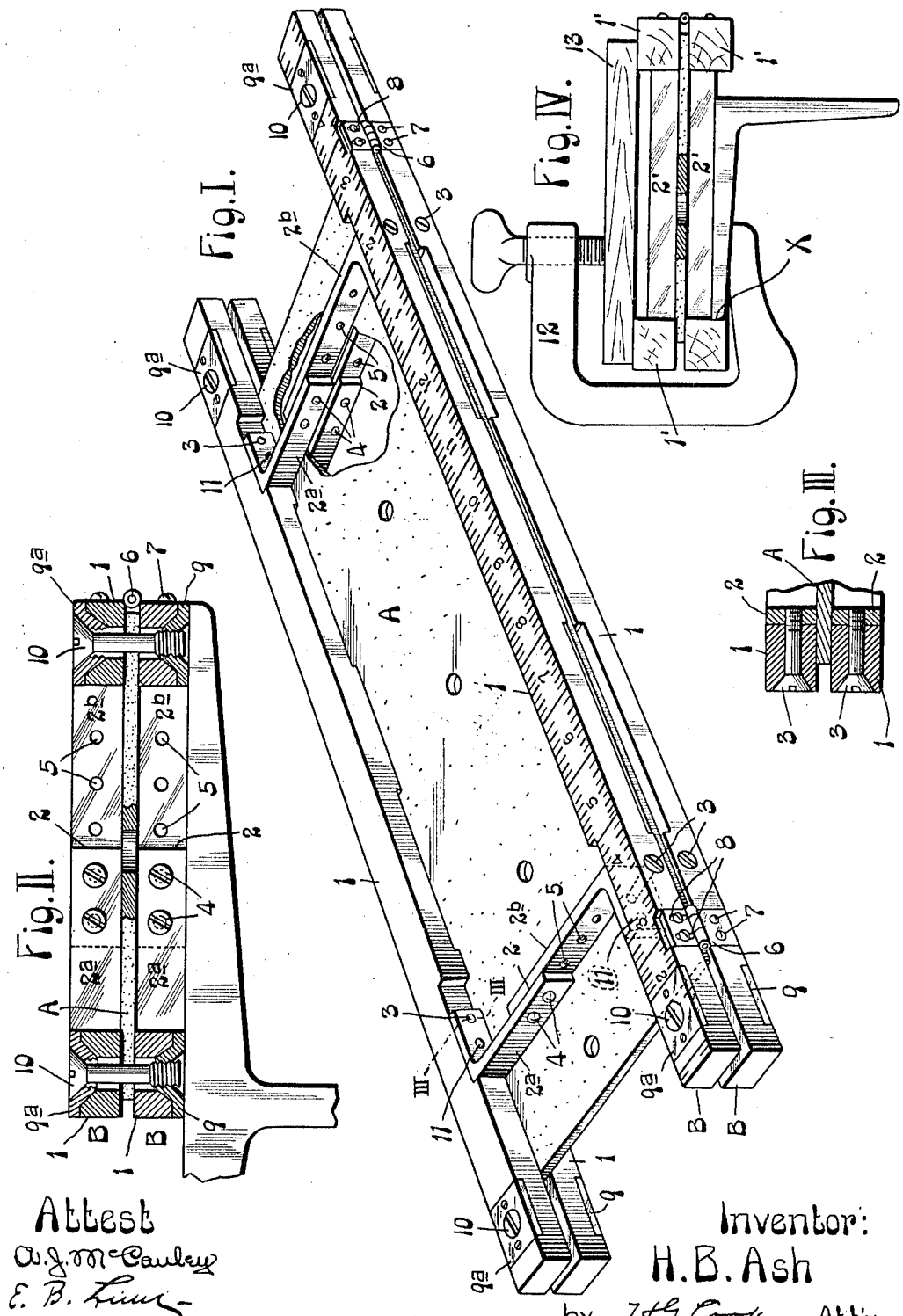
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TEMPLET.

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Attest

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TEMPLET.

1,066,694. Specification of Letters Patent. Patented July 8, 1913.

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To all whom it may concern:

Be it known that I, HARRY B. ASH, a subject of the King of Great Britain, and a resident of the city of St. Louis, in the State of Missouri, United States of America, have invented certain new and useful Improvements in Templets, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a templet, and has for its object the production of a templet including a pattern sheet that may be manufactured at a very low cost.

In accordance with my invention, the pattern member is a perforated sheet, preferably cardboard, as this material can be obtained for considerably less than the cost of material usually employed in templet making. The pattern sheet is removably mounted in a suitable holder having a straight edge which serves as a guide for determining the exact location of the holes, and it is therefore unnecessary to provide the pattern sheet with straight edges.

Figure I is a perspective view of a templet embodying the features of my invention. Fig. II is an end view, partly in section, showing the templet applied to a flange of an I-beam. Fig. III is a section on line III—III, Fig. I. Fig. IV is an end view illustrating a slight modification.

In the accompanying drawings:—A designates a heavy cardboard pattern sheet interposed between a pair of frames B. Each frame is composed of two straight side bars 1, connected together by members 2, the latter being secured to the side bars by screws 3. The connecting members 2 are preferably formed of two sections 2^a and 2^b, adjustably secured together by screws 4. The screws 4 pass through the section 2^a and may be fitted into any of the threaded apertures 5 in the section 2^b. By adjusting these screws, the width of the frame may be varied to accommodate pattern sheets of different dimensions.

Hinges 6 are rigidly secured to one of the frames B by screws 7 which pass through the bottom hinge members, the other hinge members being slidably secured to the top frame B by screws which pass through slots 8. The object in providing a slidable connection between one of the hinge members and the frame B is to allow the pattern sheet A to be firmly clamped between the frames, as will be presently described.

Plates 9 and 9^a, secured to the side bars 1, are provided with threaded openings adapted to receive clamping screws 10, see Fig. II. After the blank pattern sheet has been inserted between the frames, the screws 10 may be operated to clamp the sheet in position, each of said screws being preferably provided with an enlarged threaded end which passes through a plate 9 on the lower frame, while its head engages a plate 9^a on the top frame. In removing the pattern sheet, the screws 10 are disconnected from the bottom frame and the top frame may then be swung on the hinges 6 to release said sheet. The function of the screw threads in plates 9^a is to prevent the screws from accidentally falling out of the top frame when they are not in service.

After the blank pattern sheet has been firmly clamped between the frames B, the centers of the holes may be located by placing the head of a try-square against the side edge of the graduated bar 1, drawing lines across the pattern sheets at the proper points according to the distance between the centers of the holes, the blade of the square serving as a guide for these lines, and thereafter marking said lines at the proper distance from the side edge of the graduated bar to indicate the centers of the holes. The holes may then be drilled, or punched, in the pattern sheet. If the connecting members 2 interfere with the location of a hole, they may be shifted by removing the screws 3 and moving said connecting members to allow the screws to fit into the threaded openings 11.

In the practical use of my improved templet, it is placed on the face of the member to be drilled or punched, with one of its side edges perfectly flush with the edge of said member, as shown in Fig. I, and may be held in this position by any suitable means, while a center punch is passed through the holes in the pattern sheet to mark the centers of holes to be drilled, or punched.

In Fig. IV I have shown a slightly modified form of the templet applied to an angle bar, a well known type of clamp 12 being utilized to hold the templet in position. A block of wood 13 is preferably placed on the

templet below the screw of clamp 12. In this modified form, the members 2′ which extend across the templet and connect the side bars 1′ are not adjustable. The outside edges of the connecting members 2′ are spaced away from the outer faces of the side bars 1′, the object of this structure being to enable the templet to be accurately positioned by simply locating one of the side bars 1′ against the edge of the members to be punched, as shown at X in Fig. IV.

I claim:—

1. A pattern sheet holder, comprising a pair of frames hinged to each other, and clamping devices whereby a pattern sheet may be firmly clamped between said frames, the hinge connection being slidably fitted to one of said frames to permit operation of said clamping devices.

2. A pattern sheet holder, comprising a pair of frames hinged to each other, and clamping means connecting said frames at opposite sides thereof whereby a pattern sheet may be firmly clamped between the frames at points on opposite sides of the holder, the hinge connection being slidably fitted to one of said frames to permit operation of said clamping means.

3. A pattern sheet holder comprising a pair of frames, hinges connecting said frames at one side of the holder and having slot and pin connection with one of the frames, and clamping members extending through said frames at opposite sides of the holder whereby a pattern sheet may be firmly clamped between said frames at points on opposite sides of the holder.

4. A pattern sheet holder comprising a pair of frames each including two side bars spaced apart from each other, and adjustable connecting members connecting said frame bars in pairs whereby the frames may be adjusted to receive pattern sheets of different dimensions.

5. A templet holder, comprising a pair of frames provided with threaded openings, and clamping screws passing through said openings, each of said screws having a head which engages one of said frames and an enlarged threaded end arranged in the threaded opening in the other frame.

6. A pattern sheet holder comprising a pair of frames each including two side bars spaced apart from each other, adjustable connecting members connecting said side bars in pairs, and means whereby said connecting members are adjustably attached to said side bars to permit their adjustment longitudinally of the side bars, thereby allowing the frames to be adjusted to receive pattern sheets of different dimensions.

HARRY B. ASH.

In the presence of—
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Edna B. Linn.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."