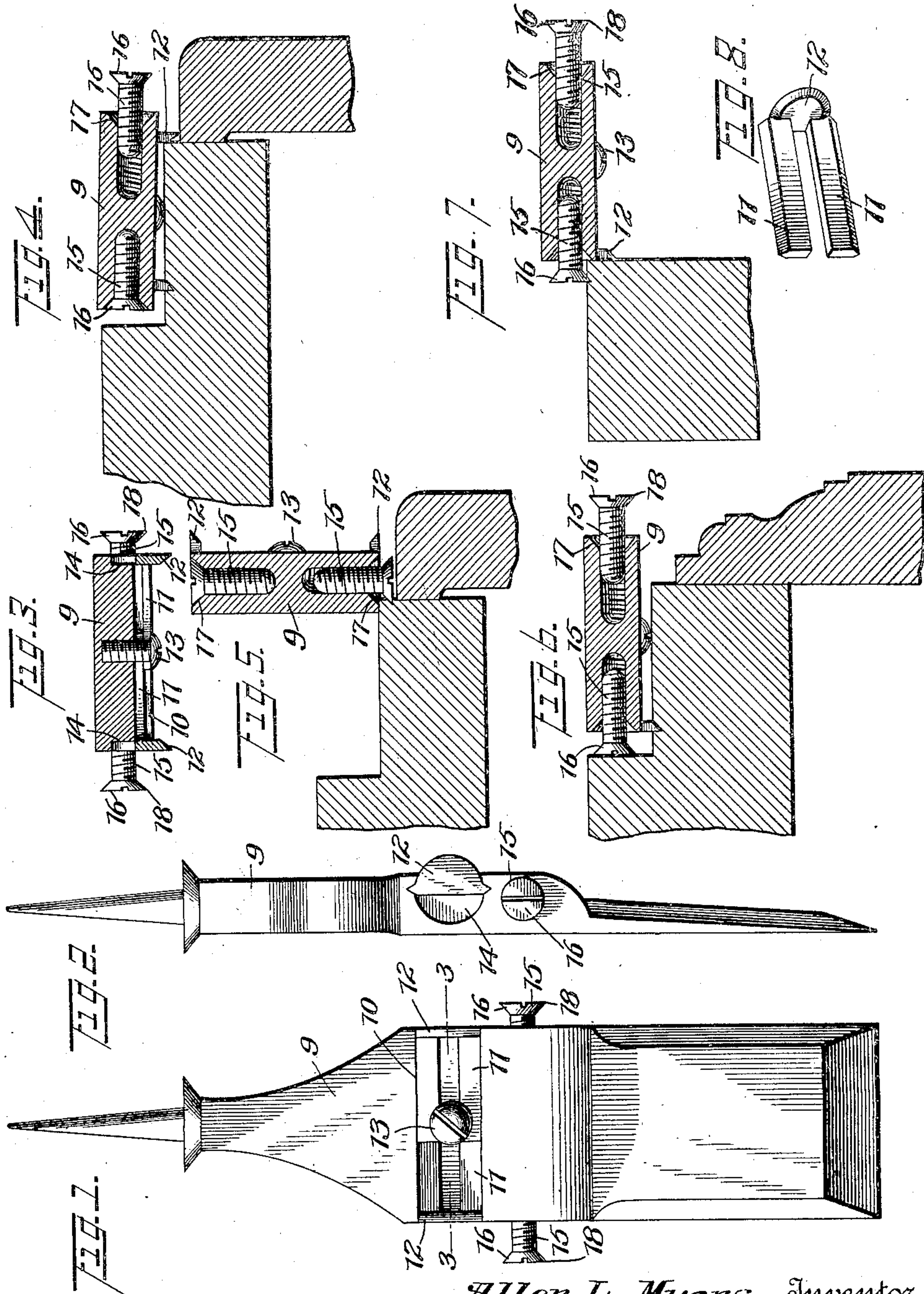


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GAGE.

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ALLEN LINCOLN MYERS, OF LINCOLN, NEBRASKA.

GAGE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ALLEN LINCOLN MYERS, a citizen of the United States, residing at Lincoln, in the county of Lancaster and State of Nebraska, have invented a new and useful Gage, of which the following is a specification.

This invention relates more particularly to means for marking seats for the reception of butt-hinges, but is not necessarily limited to this use, as the same may be employed in scribing for various purposes.

One of the principal objects is to provide a very simple structure in the form of a combination-tool wherein the chisel ordinarily employed for cutting the hinge-seats constitutes the support for a novel gage that may be conveniently employed in a variety of ways, as hereinafter set forth.

The preferred embodiment of the invention is illustrated in the accompanying drawings, wherein—

Figure 1 is a view in elevation of a chisel-blade with the gage in place thereon. Fig. 2 is an edge view of the same. Fig. 3 is a sectional view on the line 3 3 of Fig. 1. Fig. 4 is a cross-sectional view illustrating one manner of using the device. Fig. 5 is a similar view illustrating the means for marking the depth of a butt-hinge seat. Fig. 6 is a view similar to Fig. 4, but illustrating another manner of marking the width of a seat to be cut; and Fig. 7 is a view illustrating another manner of using the device as a depth-gage. Fig. 8 is a detail perspective view of one of the markers.

Similar reference-numerals designate corresponding parts in all the figures of the drawings.

In the embodiment illustrated a chisel-blade 9 is employed, which may be of any desired size and configuration. This blade is provided in one side with a transverse slot 10, in which are slidably mounted the overlapped shanks 11 of a pair of markers, said markers consisting of offset teeth 12, carried by the outer ends of the shanks. Said shanks are preferably slotted longitudinally and through the slots is passed a holding-screw 13, threaded into the chisel-blade and constituting means for holding the shanks in different adjusted relations. The teeth 12 have curved marking edges, and when the shanks are in one position said teeth project beyond the side of the blade having the slot. The shanks, however, are adapted to be re-

versed, in which case the teeth are received in recessed seats 14, formed in the opposite edges of the blade. Other markers are also provided, said markers being in the form of screws 15, that are threaded into the opposite edges of the blade and have slotted heads 16, adapted to be received in countersunk portions 17 in the blade, said heads having annular marking edges 18.

In case the chisel is to be used for cutting purposes the teeth 12 are located in their seats 14 and the markers 15 are screwed into the edges of the blade, so that the outer faces of the heads are flush therewith. There is nothing therefore in the way to prohibit the ordinary use of the chisel. In using the device as a gage the various parts may be employed in a number of ways. For instance, if the width of a seat for a hinge is to be marked in a casing the teeth 12 are arranged in projecting relation and are secured a distance apart equal to the width of the hinge-seat. One of these teeth is employed as a marker and the other as a guide along the edge of the casing, as illustrated in Fig. 4. The depth of the seat may be gaged by one of the screws 15, the edge of which constitutes the marking device, while the edge of the chisel-blade acts as the guide. This will be clear by reference to Fig. 5. One of the teeth may also be employed as an auxiliary guide and as illustrated in Fig. 7. The screws, furthermore, may be made to act as guides when the teeth constitute markers—as, for instance, in scribing the width of a hinge-seat the head of a screw is arranged to abut against the adjacent offset of the casing—thus determining the position of the line scribed by the adjacent marking-tooth. The parts so arranged are illustrated in Fig. 6. It will thus be seen that a simple device is provided by means of which the seats for butt-hinges may be readily and conveniently marked, and the structure is readily adjustable for use on different kinds of work and molding and for hinges of various sizes.

From the foregoing it is thought that the construction, operation, and many advantages of the herein-described invention will be apparent to those skilled in the art without further description, and it will be understood that various changes in the size, shape, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

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

1. In a gage of the character described, the combination with a supporting-blade, of markers adjustably mounted on the blade and projecting from one side of the same, said markers being movable upon the blade toward and from each other and having substantially parallel marking edges, and other markers adjustably mounted on the blade and projecting from opposite edges thereof, the last-mentioned markers constituting guide-abutments for the first-mentioned markers, and the latter also constituting guide-abutments for the former.

2. In a gage of the character described, the combination with a blade having a transverse slot in one side, of markers projecting from the side of the blade having the slot, said markers being movable toward and from each other and having shanks adjustable in the slot, and means engaging the shanks for securing the markers in adjusted relation.

3. In a gage of the character described, the combination with a blade having a transverse slot in one side, of markers projecting from the side of the blade having the slot, said markers being movable toward and from each other and having overlapped shanks adjustable in the slot, a screw engaging the shanks for securing the markers in adjusted relation, and screws threaded into the oppo-

site edges of the blade and having circumferential marking edges.

4. In a gage of the character described, the combination with a blade having a slot and a recess communicating with the slot, of a reversible shank slidable in the slot and having an offset marking-tooth, said tooth projecting from one side of the blade when the shank is in one position and being seated in the recess when the shank is reversed, and holding means engaging the shank.

5. In a gage of the character described, the combination with a blade having a transverse slot in one side and recessed seats in its opposite edges that communicate with the slot, of overlapped shanks slidably mounted in the slot and having longitudinally-disposed slots, a holding-screw passing through the slots and threaded into the shank, and offset marking-teeth carried by the outer ends of the shanks, said teeth being arranged to project beyond the side of the blade having the slot when the shanks are in one position and being disposed in the seats when the shanks are reversed.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

ALLEN LINCOLN MYERS.

Witnesses:

A. W. EASTERDAY,
FERD. C. FISKE.