

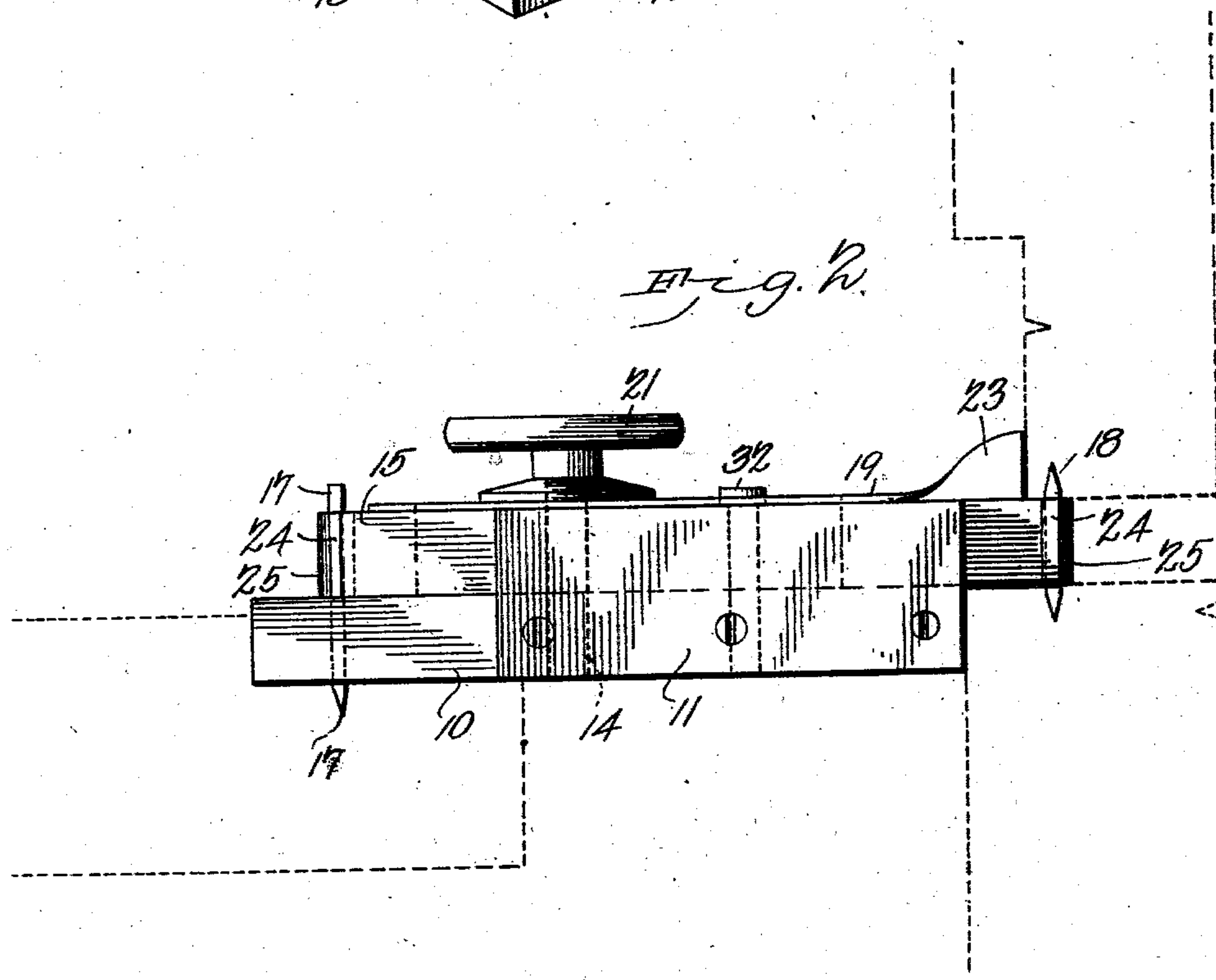
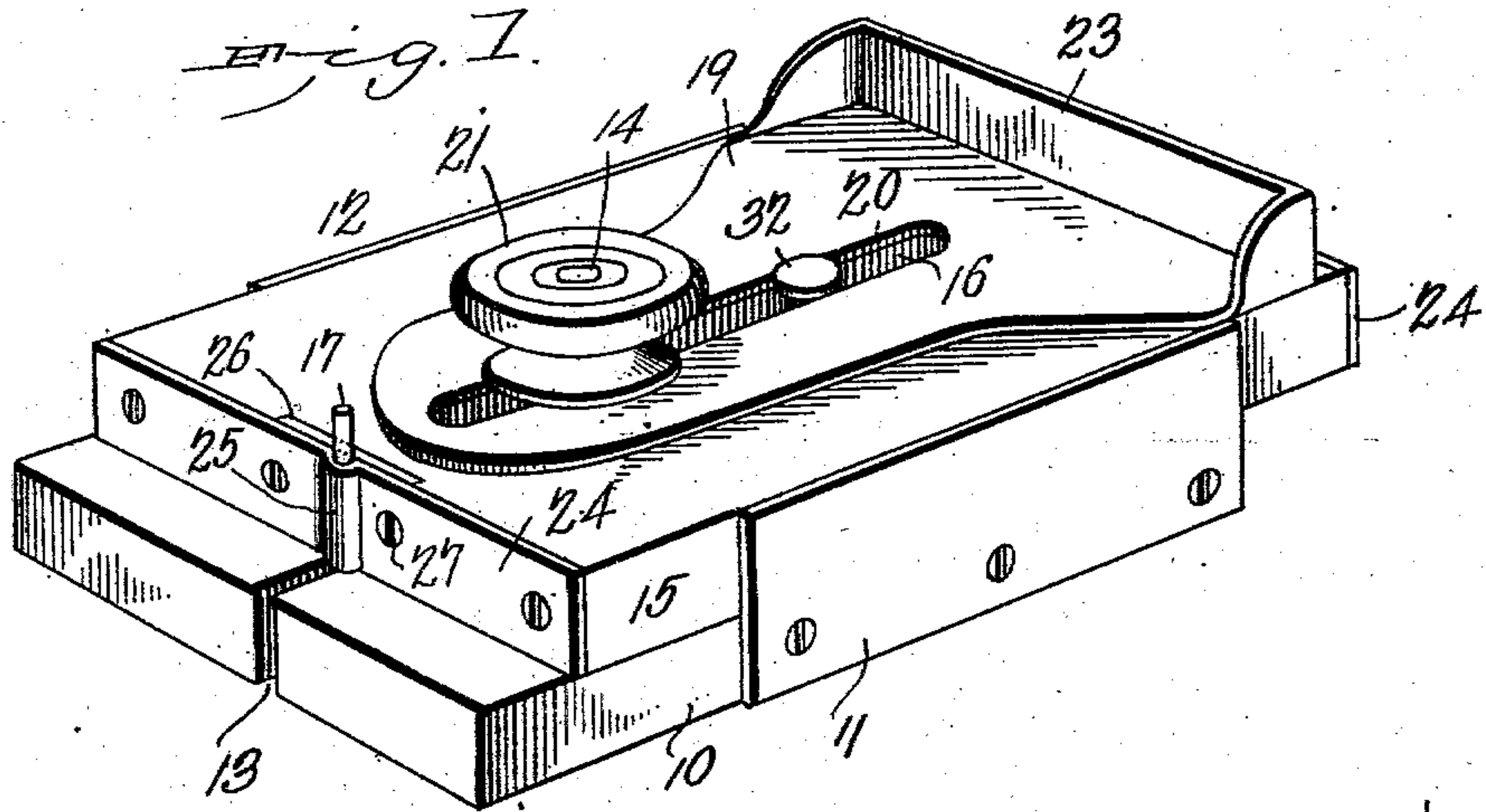
No. 730.407.

PATENTED JUNE 9, 1903.

S. D. SHRIVER.
GAGE.

APPLICATION FILED JAN. 30, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

SAMUEL DAVID SHRIVER, OF ST. LOUIS, MISSOURI.

GAGE.

SPECIFICATION forming part of Letters Patent No. 730,407, dated June 9, 1903.

Application filed January 30, 1903. Serial No. 141,178. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL DAVID SHRIVER, a citizen of the United States, residing at St. Louis, in the State of Missouri, have invented a new and useful Gage, of which the following is a specification.

This invention relates to gages employed by carpenters, cabinet-makers, and the like for scribing the outlines of the recesses for the hinge-flaps, more particularly for the hinges of doors, and has for its object to simplify the construction, increase the efficiency and durability, and decrease labor necessary to operate it; and the invention consists in certain novel features of the construction, as hereinafter shown and described and specified in the claims.

In the drawings, illustrative of the invention, Figure 1 is a perspective view of the device complete. Fig. 2 is a side elevation.

The improved device consists in a base member 10, preferably oblong in outline and accurately "squared" at the corners and provided with guide-plates 11 12, attached to the opposite side edges and extending above the surface and likewise provided with an open longitudinal slot 13 at one end, as shown. Extending centrally from the plate 10 between the plates 11 12 is a threaded stud 14. Movably engaging the base-plate 10 between the guide-plates is another member 15, having a longitudinal slot through which the stud 14 extends. Attached centrally to the member 15 at one end is a scriber-point 17, the operative end extending through the slot 13 and projecting beneath the opposite side of the base member, and attached centrally to the opposite end of the member 15 is another double-ended scriber-point 18 with one operative end extending below the lower line and the other operative end extending above the upper line of the member 15, as shown in Fig. 2. Adjustably disposed upon the member 15 is a guide-plate 19, having a longitudinal slot 20 embracing the stud 14 and adapted to be connected in position by a disk nut 21, the bolt 14 and its nut 21 thus serving as a coupling means to adjustably connect the three parts 10, 15, and 19, the slots 16 20 providing for the independent longitudinal adjustment of the parts, as will be obvious. The outer end of the guide 19 is formed with an exten-

sion 23 to increase the bearing-surface against the material to be gaged, the guide members being preferably pressed or otherwise formed from sheet metal. A guide screw or pin 32 will be inserted through the slots 20 16 into the base member 10 to coact with the bolt 14 and maintain the guide-plate 19 constantly in its true position relative to the member 15.

The members may all be formed of metal or partially of metal and partially of wood.

In practice the members 10 15 will preferably be of hard wood and the other parts of metal.

The manner of connecting and supporting the scribers 17 18 is one of the novel features of the invention and is shown more fully in Fig. 1, which represents this portion of the device in detail, and as both the scriber-points are supported in the same manner the corresponding parts are denoted by like designating characters. When the member 15 is constructed of wood, it will be provided with binder-plates 24 across its ends, each plate having a vertical channel 25 for the reception of the scriber-point. Embedded in the member 15 opposite the channels 25 are backing-plates 26, against which the scriber-points are compressed when the plates 24 are closed against the ends of the member 15 by the clamp-screws, (indicated at 27.) By this simple means the scriber-points may be adjustably supported in position and removed when worn for sharpening or renewal.

When the member 15 is of metal, the backing-plates 26 may be dispensed with and the scriber-point compressed directly against the body of the member 15.

An implement thus constructed may be employed for scribing the outlines for the hinge-flaps for doors and the like, and in Fig. 2 the outlines of a door and door-jamb are shown in dotted lines in position to illustrate the application or to show the different relative positions the implement will occupy relative to the door and jamb when in use.

The scriber-points may be adjusted to outline any sized hinge-flap recess and will not require changing to enable it to scribe all the hinge recesses for all the hinges of the same size which are to be attached in a building.

Another point to be noted is that no danger exists of mistaking one scriber-point for an-

other, as the scriber 17 will not do the work of the scriber 18, or vice versa, the relative locations of the parts readily and quickly denoting at a glance the work they are required to perform.

The implement may be constructed of any required size convenient for the operator and may be employed for any purpose for which it is adapted, and while more particularly adapted for the purposes above described it is obvious that it may likewise be employed for all purposes for which an ordinary carpenter's gage is applicable.

The parts may be of wood fiber, pressed paper, or other compounds or material suitable for the purpose.

Having thus described the invention, what I claim is—

1. A gage consisting of a base member having spaced guideways, a movable member mounted for adjustment between said guideways, a scriber carried by said movable member and having points upon each end and extending for operation in advance of both sides of said movable member, and an adjustable guide-plate mounted for adjustment upon said movable member, substantially as described.

2. A gage consisting of a base member, a movable member mounted for adjustment upon said base member, a scriber carried by said movable member and having "points" upon each end and extending for operation upon each side of said movable member, and an adjustable guide-plate mounted for adjustment upon said movable member, substantially as described.

3. A gage consisting of a base member having a threaded clamp-bolt extending therefrom, a movable member having a longitudinal slot engaging said bolt, a scriber carried by said movable member and having points upon each end and extending for operation in advance of both sides of said movable member, an adjustable guide-plate having a longitudinal slot engaging said clamp-bolt, and a clamp-nut engaging said bolt, substantially as described.

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

SAMUEL DAVID SHRIVER.

Witnesses:

H. J. HARTWELL,
R. A. POND.