

(No Model.)

T. E. KEAVY.

BUTTON LOCATING AND SHOE FLY CUTTING MACHINE.

No. 356,718.

Patented Jan. 25, 1887.

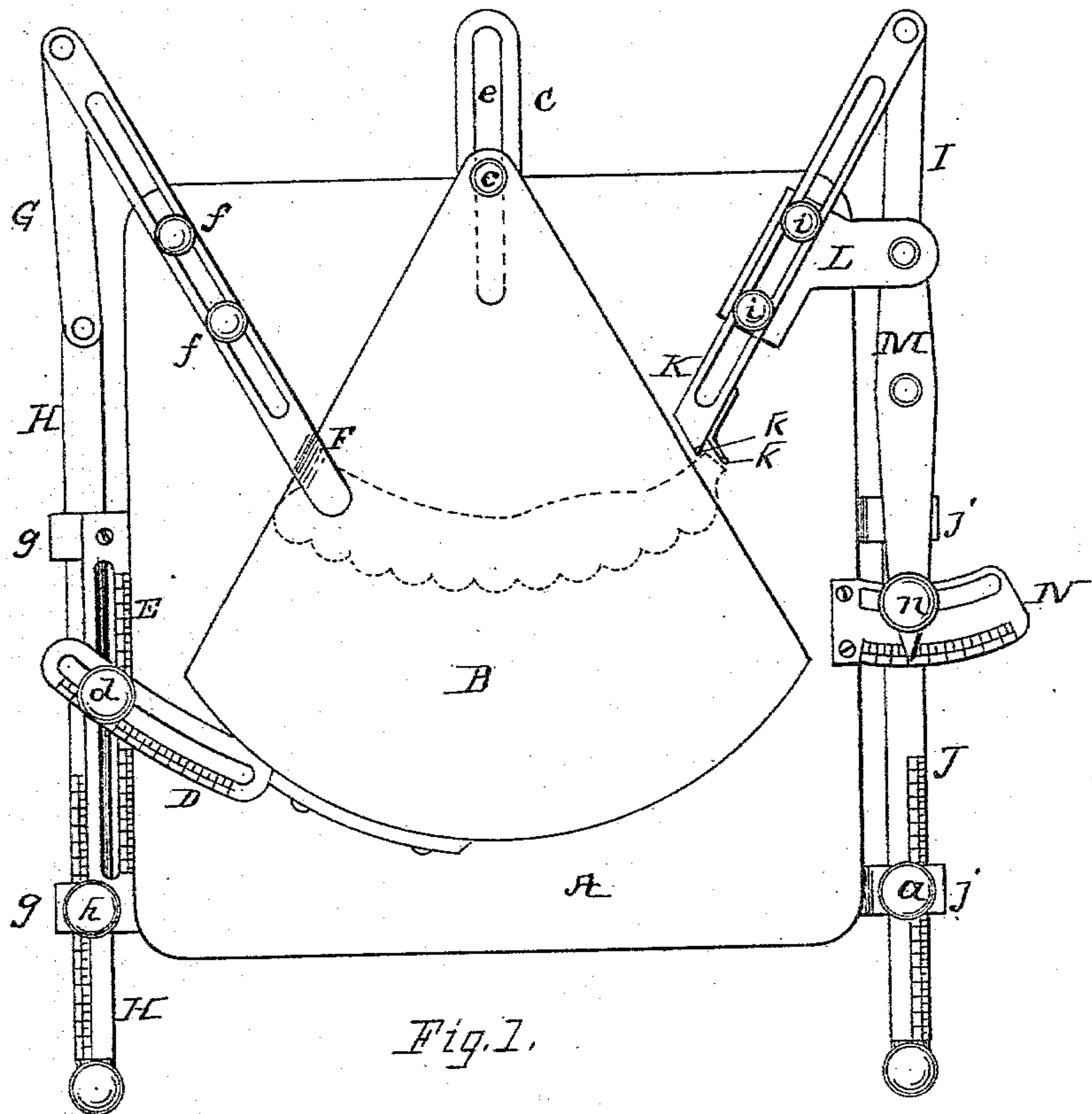


Fig. 1.

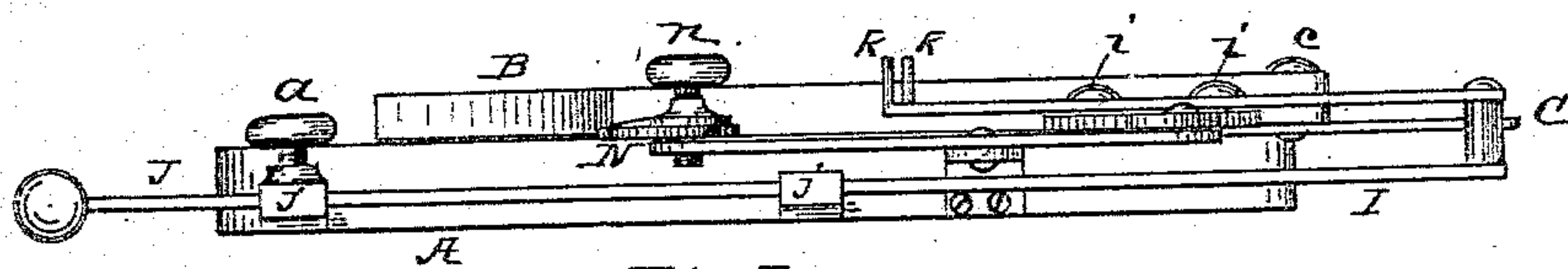


Fig. 2.

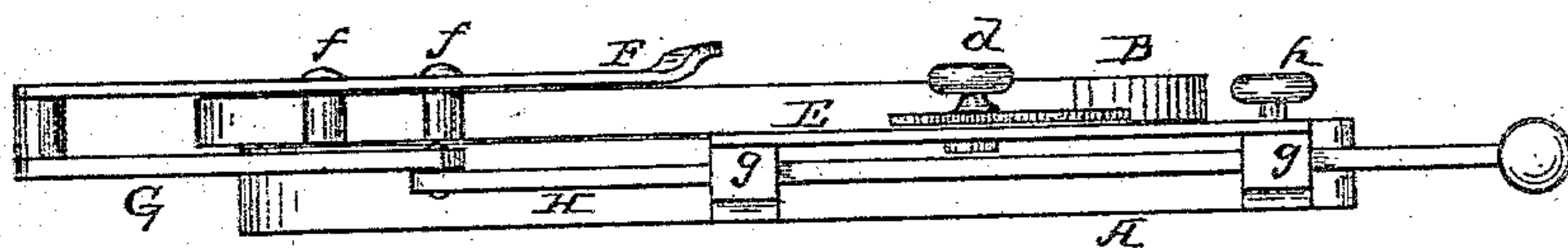


Fig. 3.

Witnesses:

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UNITED STATES PATENT OFFICE.

THOMAS E. KEAVY, OF KENT, ASSIGNOR TO THE AKRON LOCATING MACHINE COMPANY, OF AKRON, OHIO.

BUTTON-LOCATING AND SHOE-FLY-CUTTING MACHINE.

SPECIFICATION forming part of Letters Patent No. 356,718, dated January 25, 1887.

Application filed September 18, 1886. Serial No. 213,874. (No model.)

To all whom it may concern:

Be it known that I, THOMAS E. KEAVY, a citizen of the United States, residing at Kent, in the county of Portage and State of Ohio, have invented a new and useful Improvement in Gages for Button-Locating and Shoe-Fly-Cutting Machines, of which the following is a specification.

My invention has relation to improvements in gages for that class of button-locating and fly-cutting machines in which an adjustable tapering cutting-table supports the material for the action of the marking and cutting instruments.

The object of my invention is to provide devices whereby said table and gages may be rapidly adjusted to any shape or size of fly.

It consists in the devices illustrated in the accompanying drawings, as hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a plan, and Figs. 2 and 3 right and left elevations, respectively, of the bed, tapering plate, and gages.

The bed A, having a plane face at right angles to the motion of the cutting and marking tools, is attached to the frame of the machine and supports the tapering table B and gages used therewith. The tapering table B rests on the bed A, and at its narrow end is pivoted on a stud, *c*, which slides in a slot, *e*, a part of which is in the bed A and is extended beyond it by the iron C. Attached to the front of the table B is a slotted segmental graduated plate, D, which slides on and is held by a thumb-screw, *d*, which moves in the slotted graduated plate E, and may be locked at any point.

The fly to be cut or marked is placed on the table B, as indicated by dotted lines in Fig. 1, and its position regulated by the gages F and K. The gage F consists of a slotted strip of metal sliding on studs *f f*, connected with the bed A, its front bent to project above and over the table B, and connected at its other end by the link G with the graduated bar H, which slides in the ways *g g*, and is locked by the thumb-screw *h*. The gage K bears at its front end two upwardly-projecting points, *k k*, or other analogous device, which constitute a rest

for one end of the fly. This gage slides on studs *i i*, connected with a movable plate, L, and is connected by a link, I, with a graduated bar, J, which slides in ways *j j*, and is locked by a thumb-screw, *a*.

The movable plate L slides freely on the bed A, and is connected with the pivoted lever M, the front end of which rests on the graduated slotted segment N, and is locked at any point therein by the thumb-screw *n*.

It has not been deemed necessary to show the marking or cutting tools, their manner of adjustment to different sizes, styles, or shapes, as they are fully described in my application for a patent for an improvement in button-locating and shoe-fly-cutting machines now pending in the United States Patent Office, Serial No. 192,791, and their operation is obvious, their general location being the dotted scalloped line in Fig. 1.

In operation, the marking or cutting tools being adjusted to the desired size the table B is moved to a position which will present the proper width to the cutting or marking tools, which position is determined by suitable numbers on the graduated scales D and E. The gages F and K are similarly located by means of the graduated bars H and J and segment N. By this arrangement, the numbers on each gage for any desired style, size, or shape being once ascertained and tabulated, the machine can be, even by an inexperienced person, rapidly adjusted by reference to the gages only.

I claim—

1. In a machine for locating buttons and cutting shoe-flies, the combination, with the tapering table having its narrow end arranged to slide in a slot in the bed A, of the graduated gages D E, provided with a locking device such substantially as shown, all constructed and arranged substantially as shown, and for the purpose specified.

2. In a machine for locating buttons and cutting button-flies, the combination, with the tapering table B, of the gages F K, and devices, such substantially as shown, for moving and retaining them, all constructed and arranged substantially as shown, and for the purpose specified.

3. The combination, with the bed A, of the
tapering table B, provided with graduated
gages D E, and the gages F K, each provided
with graduated scales by which each part is
5 located, all constructed and arranged substan-
tially as shown, and for the purpose specified.
In testimony that I claim the foregoing I

have hereunto set my hand this 9th day of
September, A. D. 1886.

THOMAS E. KEAVY.

Witnesses:

SAMUEL S. MARSH,
L. W. TURNER.