

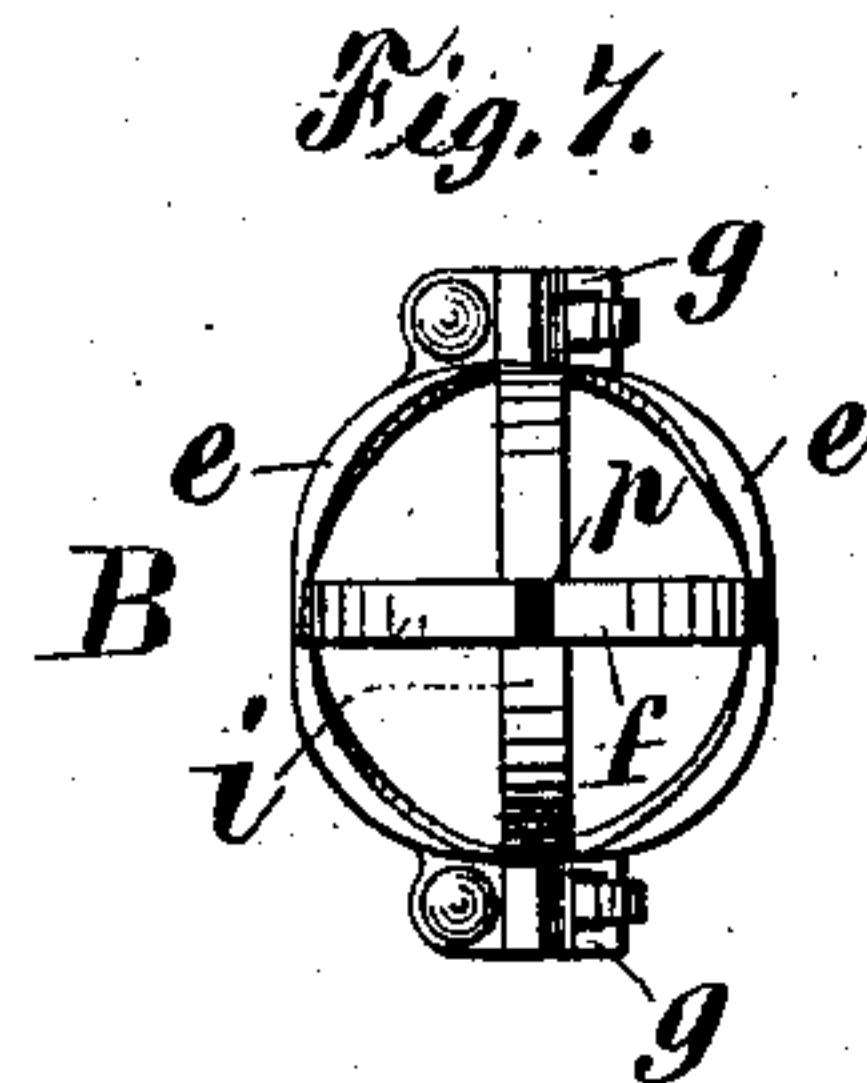
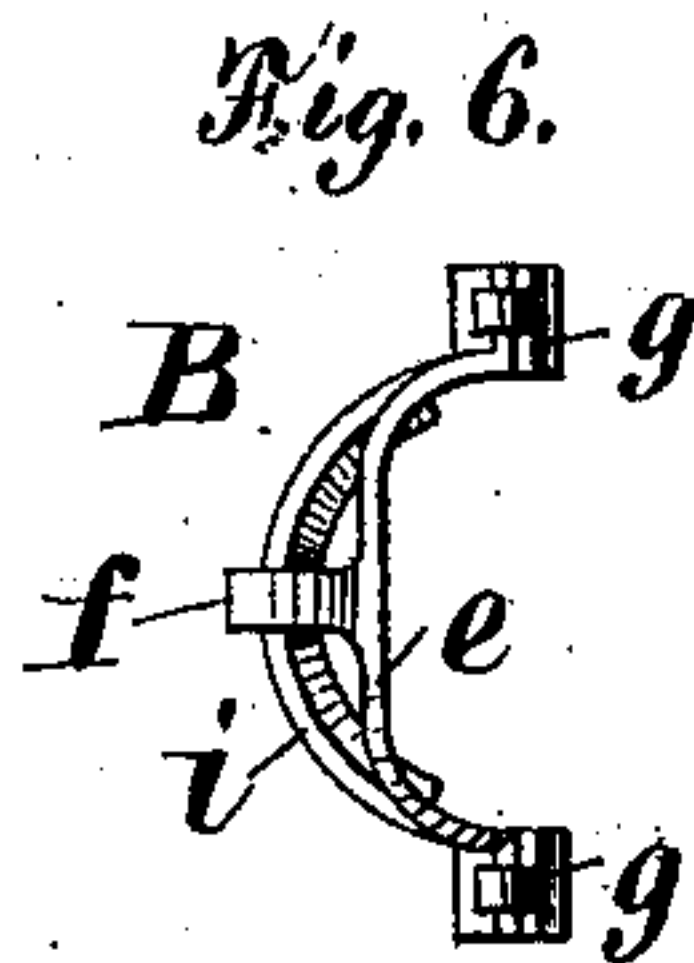
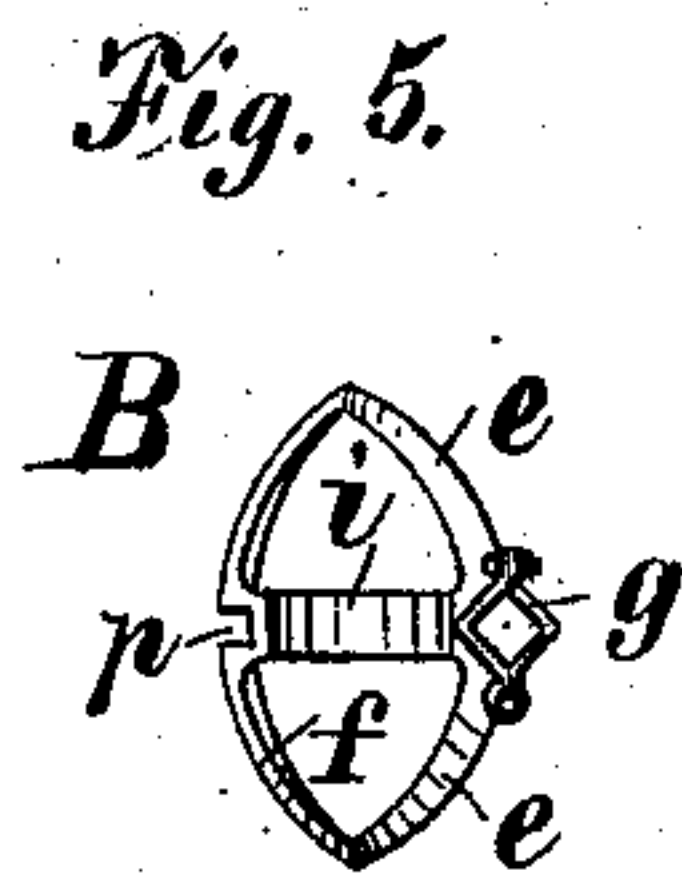
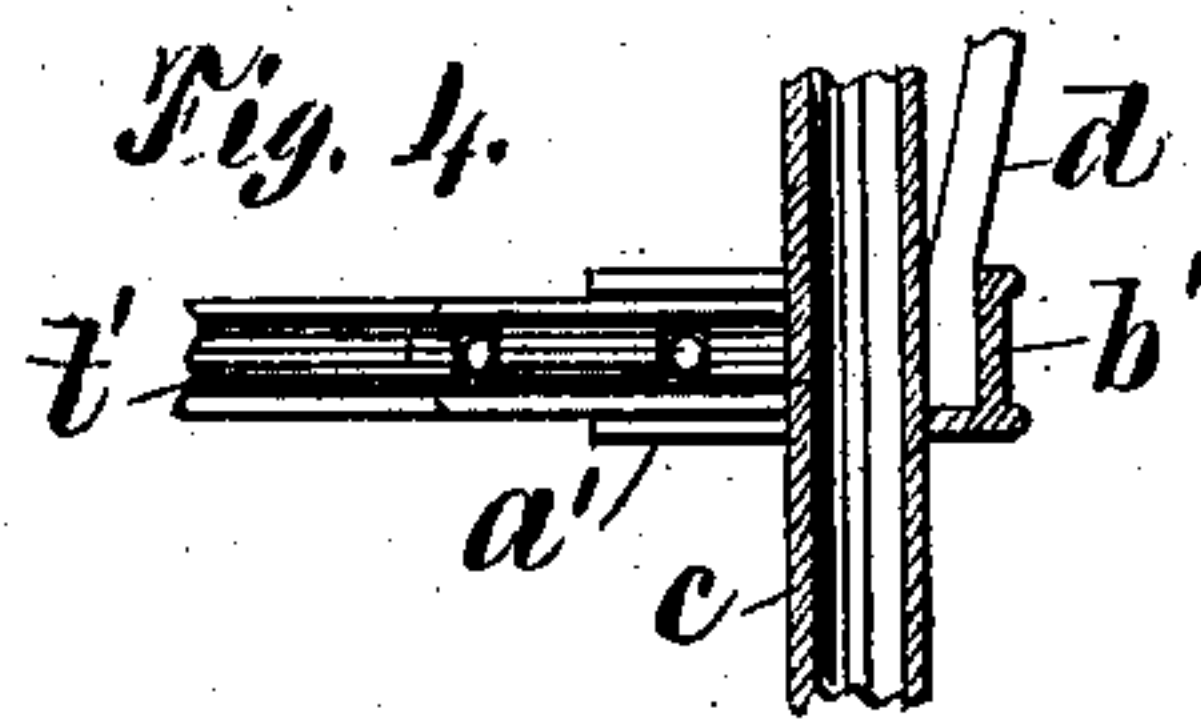
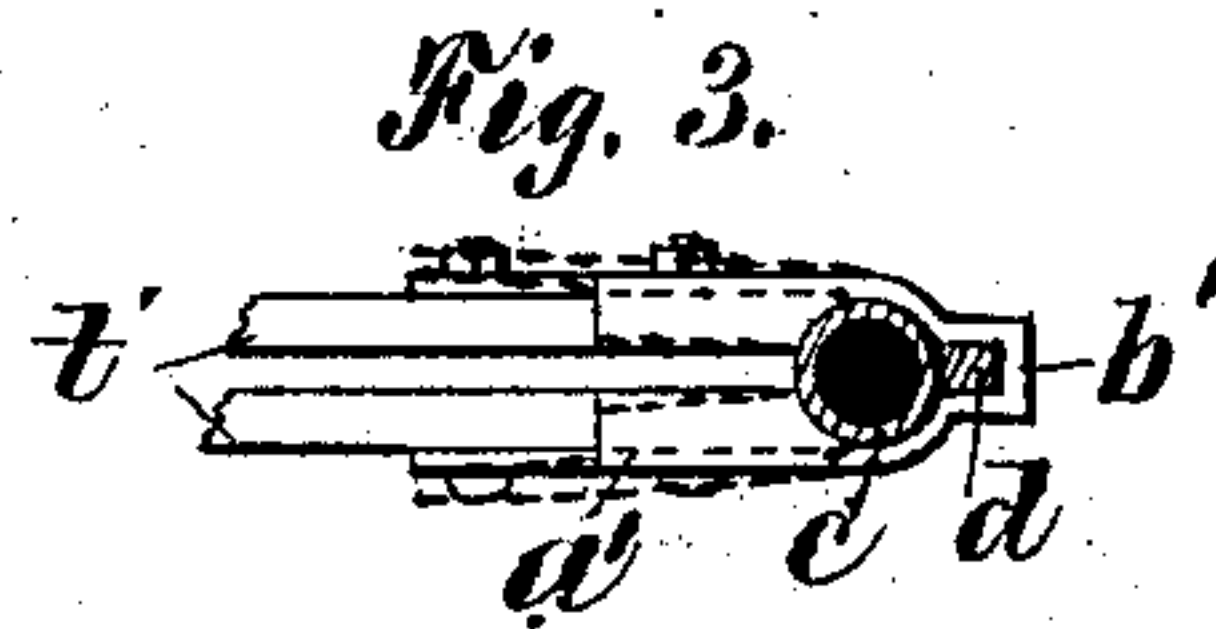
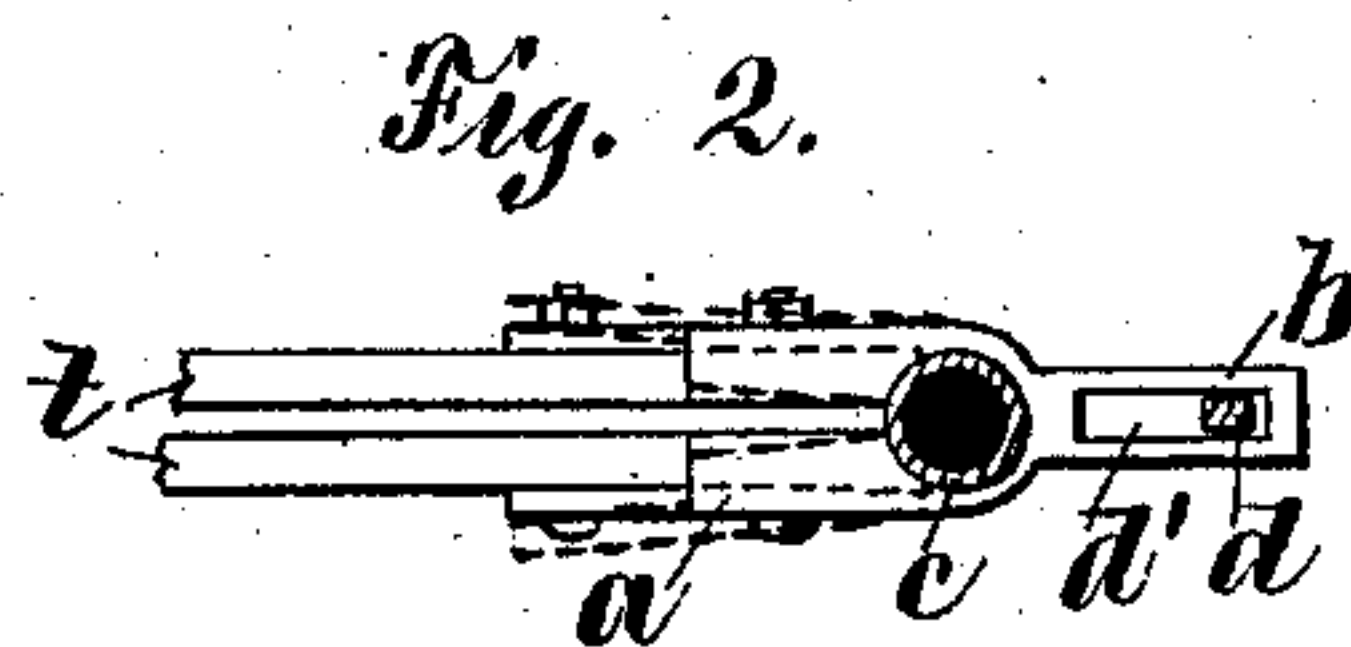
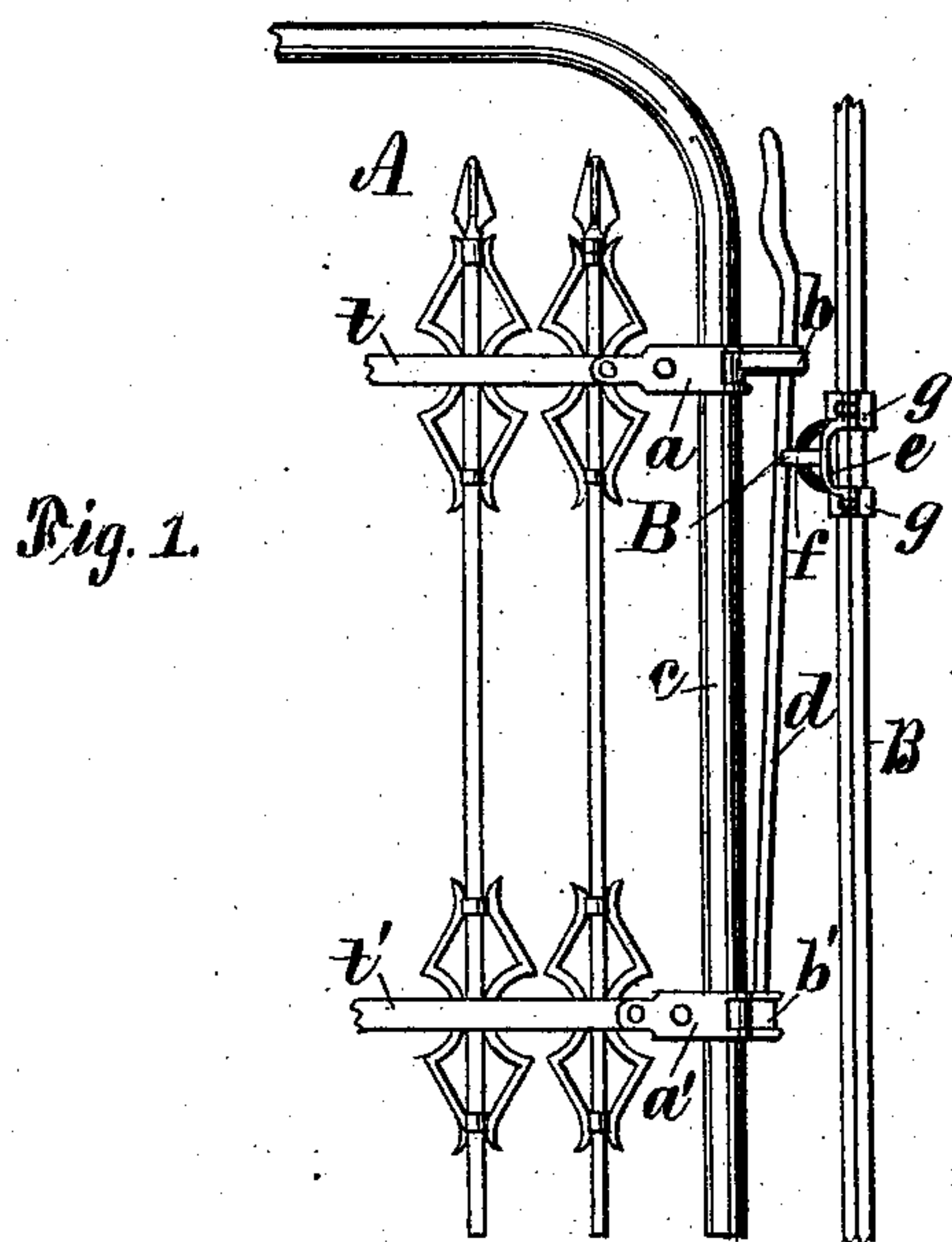
(No Model.)

T. ROGERS.

LATCHING DEVICE FOR GATES FOR IRON FENCES.

No. 292,510.

Patented Jan. 29, 1884.



Witnesses
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UNITED STATES PATENT OFFICE.

TIMOTHY ROGERS, OF SPRINGFIELD, OHIO, ASSIGNOR TO THE ROGERS FENCE COMPANY, OF SAME PLACE.

LATCHING DEVICE FOR GATES FOR IRON FENCES.

SPECIFICATION forming part of Letters Patent No. 292,510, dated January 29, 1884.

Application filed March 24, 1883. (No model.)

To all whom it may concern:

Be it known that I, TIMOTHY ROGERS, a citizen of the United States, residing at Springfield, in the county of Clarke and State of Ohio, have invented certain new and useful Improvements in Latching Devices for Gates for Iron Fences; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to latching devices for iron gates.

My invention relates to latching devices for that class of iron gates which are formed with gas-pipe or tubular frames.

My invention relates also to the catch-plate for the latch, which is applicable to any kind of post used in iron fencing.

The object of my invention is, first, to provide the latch-rod with a firm and immovable seat at the lower end in the clamp connecting the frame and lower rail together, the clamp being divided and cored out thin to receive the rail ends and spring, together with bolts to clamp the parts in the same manner as stated in my application for a gate, differing only in modification of its construction, to allow it to receive and confine the latch-rod.

The object of the second part of my invention, which pertains to the catch-plate, is to construct it in such manner as to prevent the clothing of persons passing through or operating the gate from being caught thereon, as well as to provide a stronger and more durable catch-fastening for the latch, and one better adapted to be secured to the picket of the post.

Figure 1 represents a portion of a gate having my improved latching device applied thereto. A picket of the post, to which the catch-plate is fastened, with the latch-rod in engagement therewith, is also shown in the same figure. Fig. 2 is a top view of the upper rail-clamp, through which the latch extends, with a cross-section of the frame. Fig. 3 is a top view of the lower rail-clamp, which fast-

ens the lower end of the latch-rod. Fig. 4 is a vertical section of the clamp seen in Fig. 3, also a vertical section of the rail end as inserted, and a part of the latch-rod in position. Figs. 5, 6, and 7 are views of the catch-plate for the latch.

A is the gate-section, which has a gas-pipe frame, *c*, of the usual construction. Clamps *a* and *a'* connect the rail ends *t* and *t'* with the frame and extend beyond it for the latch-rod *d*, which is inserted in the clamp *a'* at the end of the lower rail, and extends through a loop in the end of the clamp on the end of the upper rail. The lower end of the latch *d* is inserted in a square socket in the end of the clamp *a'*, and as the clamp is sprung together by the fastening-bolts the end of the latch is fastened securely in place. The ends of rails *t* and *t'* are chamfered or cornered to fit the pipe-frame *c* singly. The inside dotted lines show the ends of the inserted rails in Figs. 2 and 3, and the outside dotted lines show the movement of the clamp.

The catch-plate B of the latch is made with circular guard-bars extending around the main cross-bars, in the center of which the notch for engaging the latch is located. At the upper and lower edge of the catch-plate, cast in one piece with it, is the one half of the hinged clamp-plate *g*. The other half is hinged to it, and it is used as the means of securing the plate above and below to the post-picket, a bolt and nut securing it to the latter in the same manner as the clamp-plates shown and described in my application for iron fences filed June 26, 1882.

I claim as my invention—

1. In latching devices for gates for iron fences, a thin bifurcated socket-clamp for securing the lower end of the latch-rod, the upright of the frame, and the rail end together, said clamp being formed with internal shoulders and a square socket for the latch-rod, and having its sides diverging toward the end where the bolt is inserted, so that when compressed inwardly the fastening-bolt and its nut secure the latch-rod frame and ends of the rails together, as shown and specified.

2. In latching devices for gates for iron fences, a socket-clamp having a loop for the

operation of the latch-rod therein, interior shoulders, and thin compressible sides, in combination with the frame and rails of the gate, as and for the purpose set forth.

5 3. A catch-plate for gate-latches, having its engaging-notch encircled by a frame-work of guard-bars, substantially as described, for the purpose of protecting the clothing of persons passing through from being torn thereon, as
10 set forth.

4. A catch-plate for engaging with the latch

of a gate for iron fences, constructed with a frame-work or guard encircling the same, and with a section of the clamp plate or plates for securing it to the post integral therewith, the whole being cast in a single piece, as and for
15 the purpose hereinbefore set forth.

TIMOTHY ROGERS.

Attest:

B. C. CONVERSE,

G. M. GRIDLEY.