

(No Model.)

L. FREAS.
FENCE.

No. 435,297.

Patented Aug. 26, 1890.

Fig. 1.

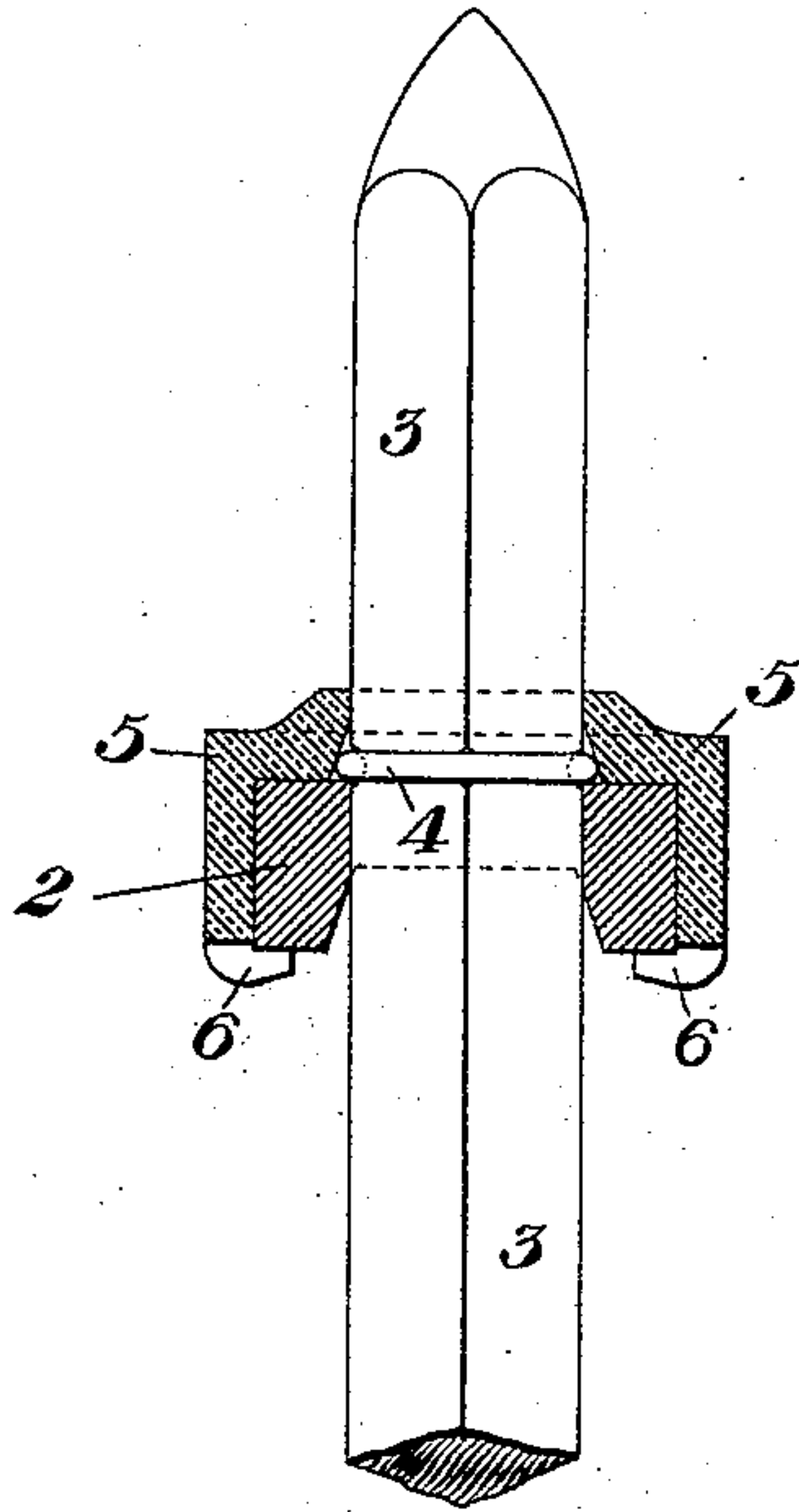
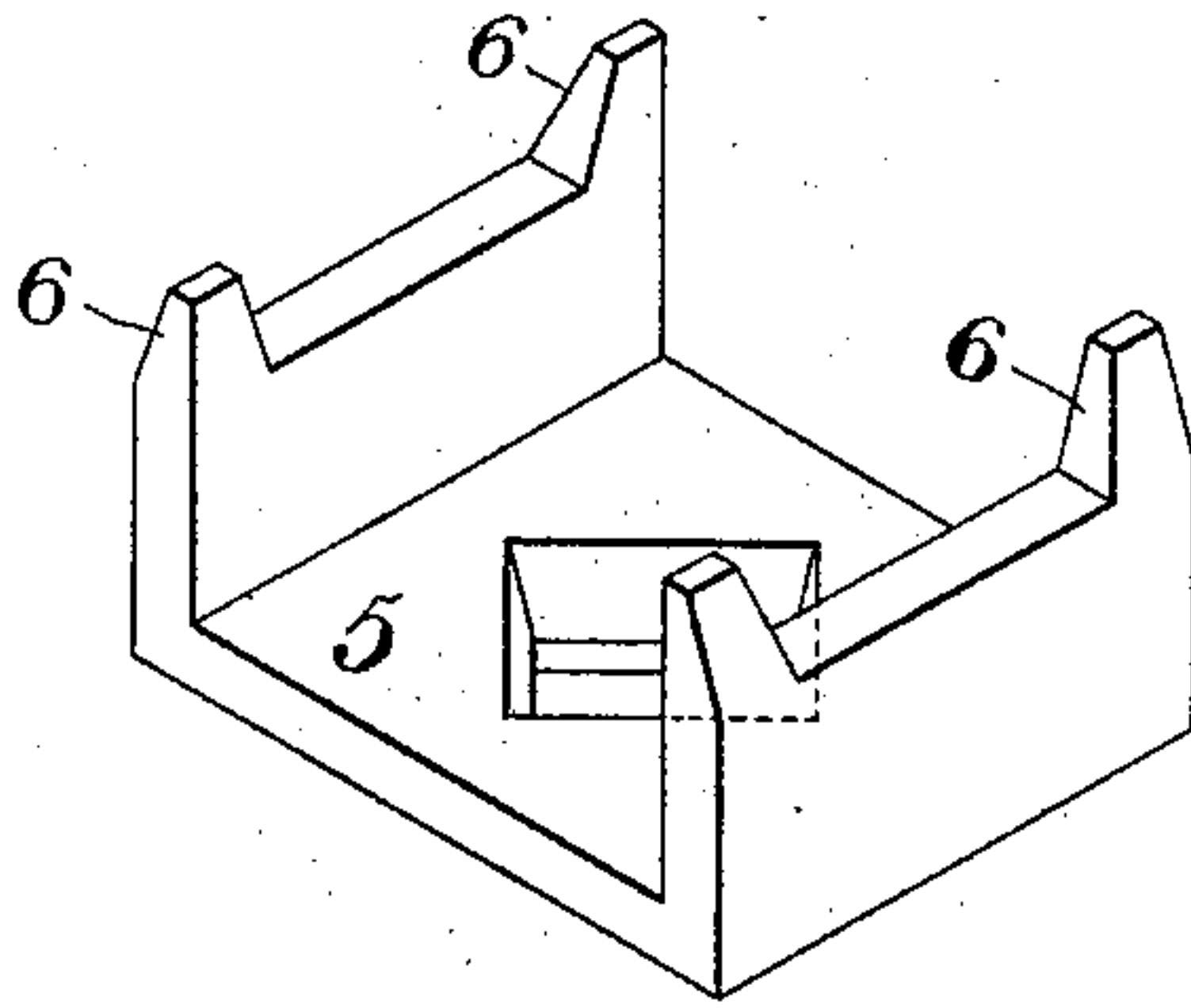


Fig. 2.



WITNESSES

H. L. Gill
M. B. Conwin

INVENTOR

Louis Freas
by W. Baxendell & Sons
his Attorneys

UNITED STATES PATENT OFFICE.

LOUIS FREAS, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO PATRICK C. DEAN, OF SAME PLACE.

FENCE.

SPECIFICATION forming part of Letters Patent No. 435,297, dated August 26, 1890.

Application filed December 7, 1889. Serial No. 332,933. (No model.)

To all whom it may concern:

Be it known that I, LOUIS FREAS, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Fences, of which the following is a full, clear, and exact description.

My invention relates to an improvement in devices for securing pickets to fence-rails, and it is illustrated in the accompanying drawings, in which—

Figure 1 is a vertical cross-sectional view of a fence-rail provided with my improved devices. Fig. 2 is a perspective view of the under side of the clip.

Like symbols of reference indicate like parts in each.

In the drawings, 2 represents the fence-rails of an iron fence. 3 is one of the pickets which passes through a hole in the same.

4 is a collar on the picket. This collar may be formed on the picket integrally therewith by upsetting or otherwise; but I prefer to use a metal wire or band which is bent around the picket in annular form, and is held thereon by being fitted in notches therein. In applying the device to use the picket is set in the rail so that the collar shall be on the upper side thereof, though it will be understood from the following description that the parts may be reversed, so that the collar and the securing-clip hereinafter mentioned may be on the under side of the rail.

5 is a clip, which is adapted to be set on the rail, having a hole for the passage through it of the picket and having projecting legs and lugs 6 thereon which extend down at the side of the rail. The clip is preferably made of a malleable casting.

In constructing the fence the rail is placed on the picket, so as to fit closely against the under side of the collar; the clip is put on the picket above the rail, so that its legs shall extend downwardly at the sides of the latter; the rail, clip, and collar are drawn closely together, and then the lugs 6 are turned in on the under side of the rail. The rail is thus held in place on the picket with great security. It cannot move up by rea-

son of the collar, and it cannot move down by reason of the lugs on the clip. To further hold the parts together so tightly that they cannot rattle or become loose, I prefer to form the picket-hole on the under side of the clip with beveled or downwardly-flaring sides, so that in forcing the clip into place the collar shall become jammed with a wedge-like action in the hole.

The device may be applied to pickets of any shape in cross-section; but I prefer to use pickets of angular section passing through correspondingly-formed holes in the rail, since the pickets are thus prevented from turning.

The fastening-clip may be modified in form and construction in divers ways, such as will suggest themselves to those skilled in the art without departing from the principles of my invention.

I claim—

1. The combination of the rail, the picket, a collar on the picket against which the rail has a bearing, and a clip set on the picket on the outer side of the collar and attached to the rail, substantially as and for the purposes described.

2. The combination of the rail, the picket, a collar on the picket against which the rail has a bearing, and a clip set on the picket having legs which extend along the sides of the rail and are bent in to grasp the rail, substantially as and for the purposes described.

3. The combination of the rail, the picket, a collar on the picket against which the rail has a bearing, and a clip set on the picket on the outer side of the collar and attached to the rail, said clip having a tapering or beveled hole through which the picket passes, substantially as and for the purposes described.

In testimony whereof I have hereunto set my hand this 30th day of October, A. D. 1889.

LOUIS FREAS.

Witnesses:

W. B. CORWIN,
THOMAS W. BAKEWELL.