

No. 606,689.

Patented July 5, 1898.

J. C. SMITH.
BICYCLE SADDLE CLAMP.
(Application filed Sept. 15, 1897.)

(No Model.)

Fig. 1.

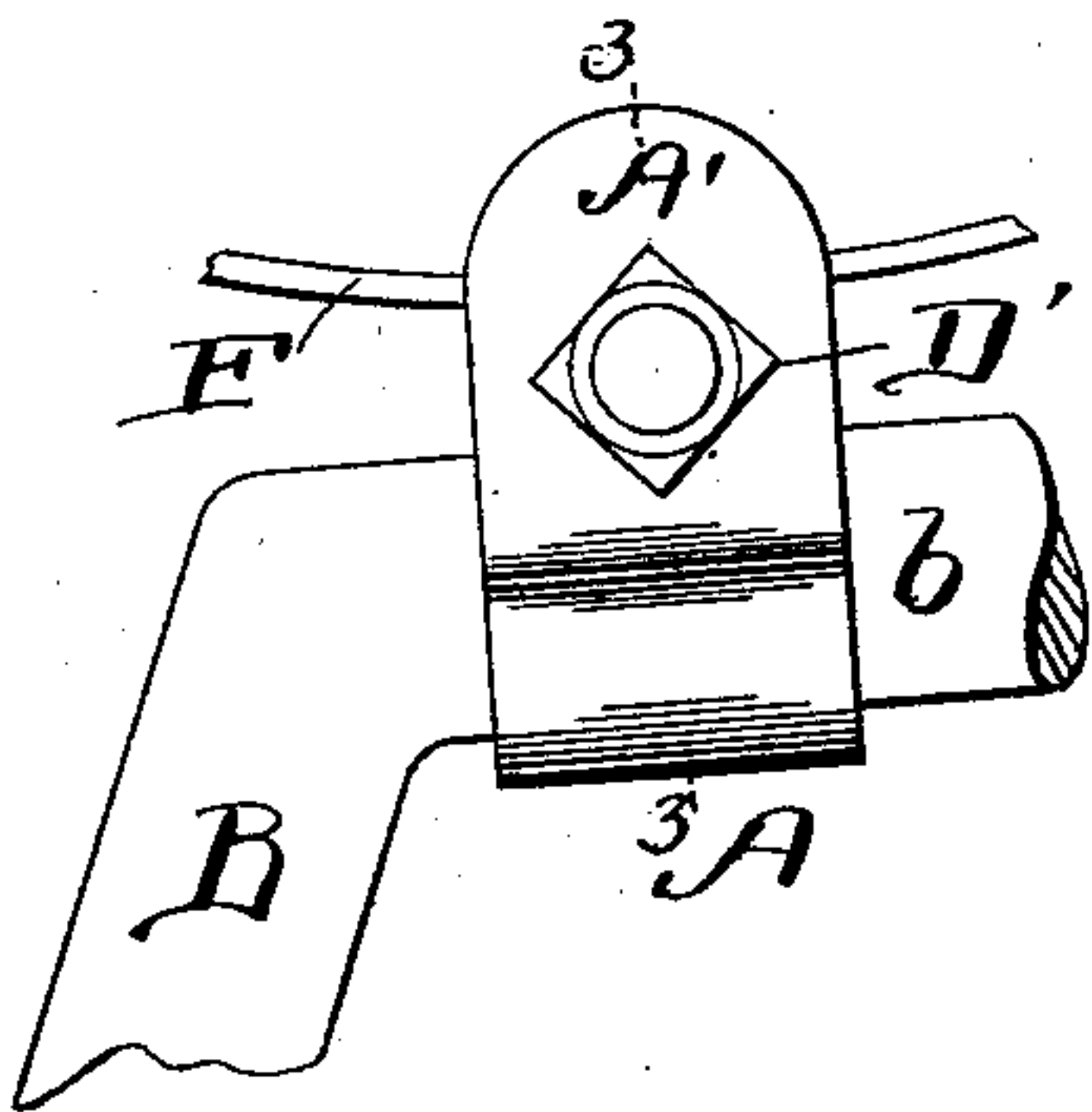


Fig. 2.

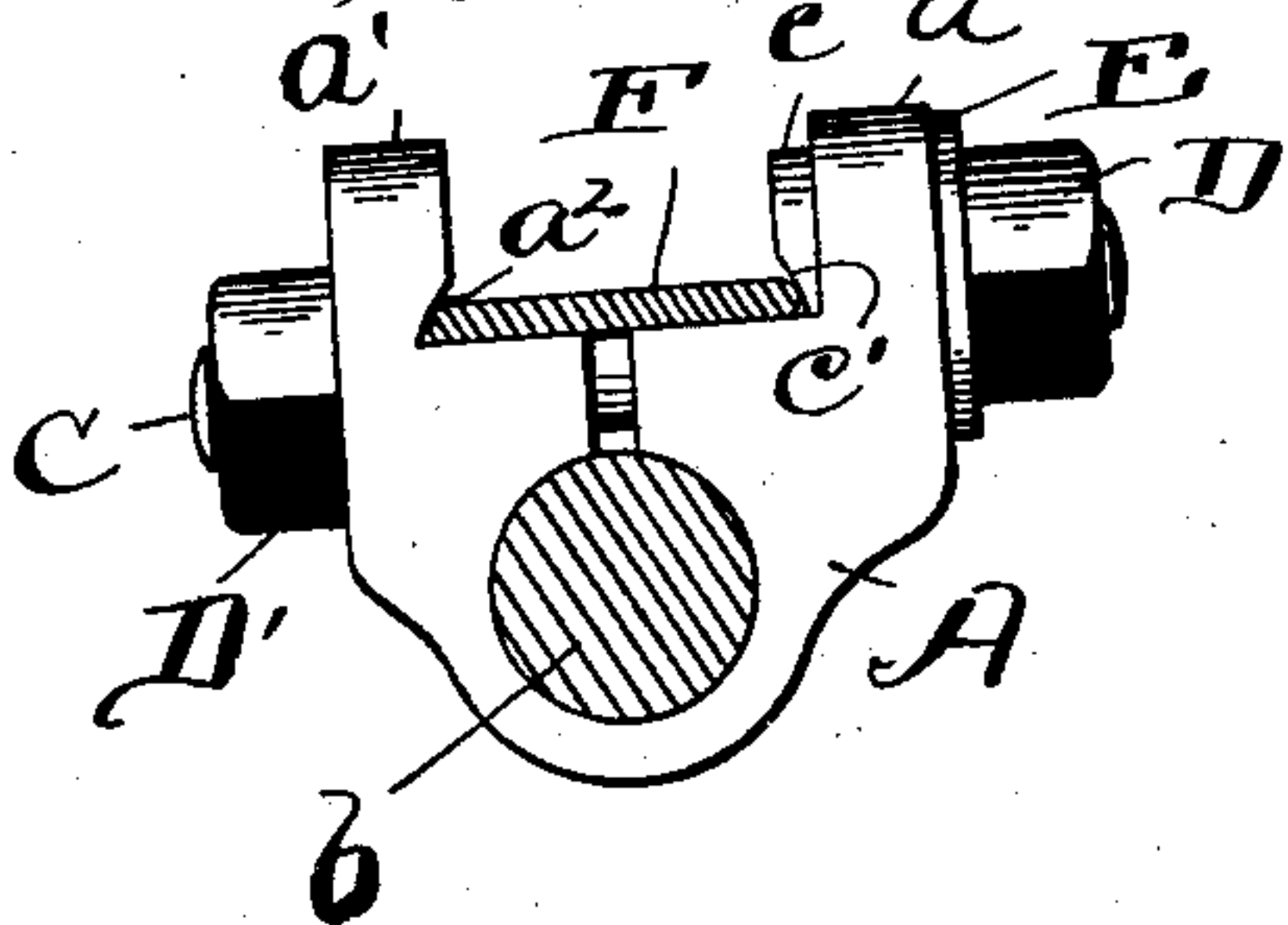
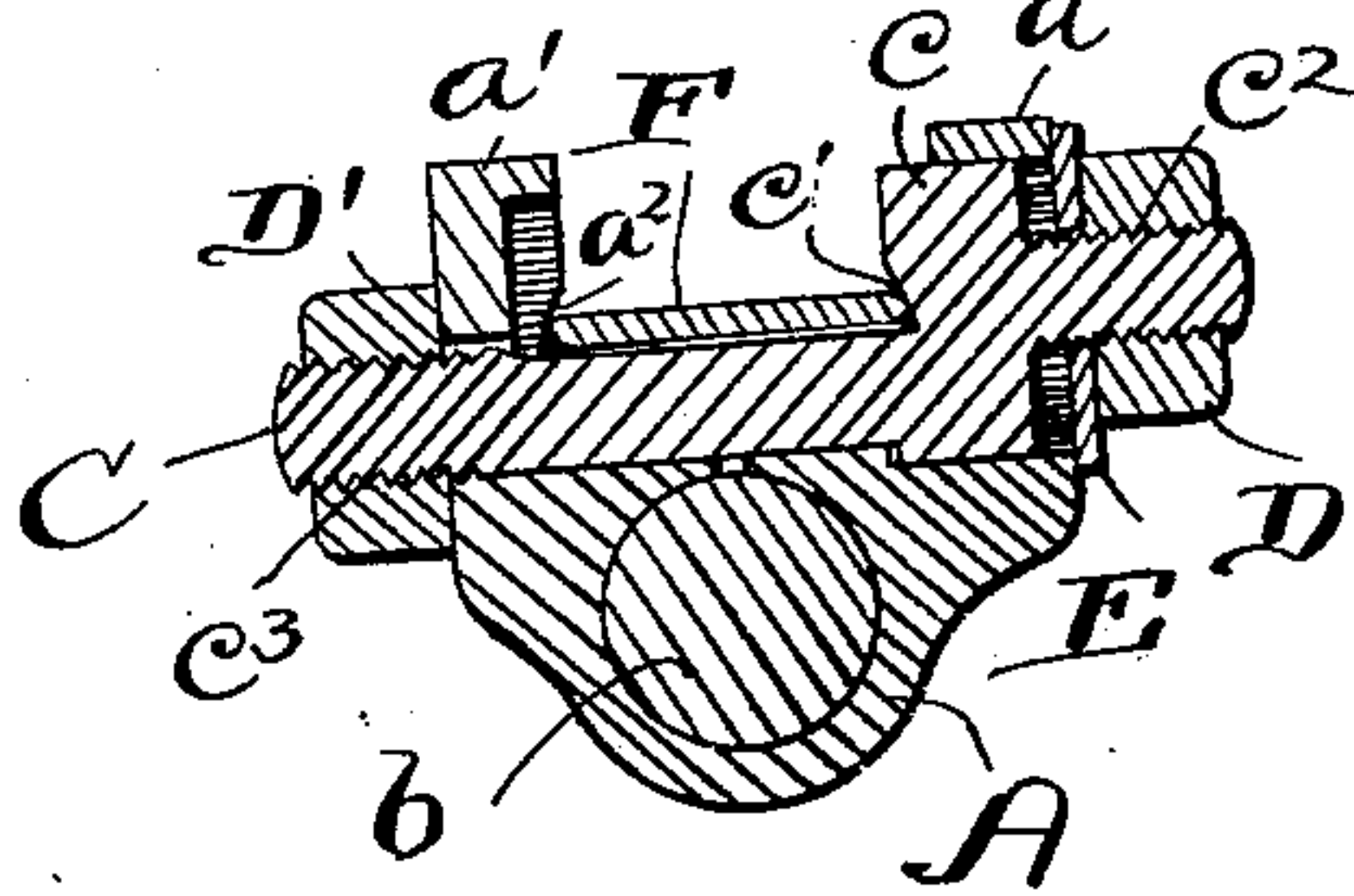


Fig. 3.



Witnesses.
A. O. Walker.
H. M. Hutchinson.

Inventor.
James C. Smith
By his Attorneys,
Thurston & Bates

UNITED STATES PATENT OFFICE.

JAMES C. SMITH, OF ELYRIA, OHIO, ASSIGNOR TO THE GARFORD MANUFACTURING COMPANY, OF SAME PLACE.

BICYCLE-SADDLE CLAMP.

SPECIFICATION forming part of Letters Patent No. 606,689, dated July 5, 1898.

Application filed September 15, 1897. Serial No. 651,803. (No model.)

To all whom it may concern:

Be it known that I, JAMES C. SMITH, a citizen of the United States, residing at Elyria, in the county of Lorain and State of Ohio, have invented certain new and useful Improvements in Bicycle-Saddle Clamps; and I do hereby 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.

The object of the invention is to provide a cheap and simple clamping device wherewith a bicycle-saddle may be securely fastened to the horizontal member of the seat-post.

The invention consists in the construction and combination of parts hereinafter described and claimed.

In the drawings, Figure 1 is a side elevation of the clamping device when performing its function. Fig. 2 is a rear elevation of the same, the saddle-spring and seat-post being sectioned; and Fig. 3 is a vertical sectional view on line 3 3 of Fig. 1.

Referring to the parts by letters, A represents the clamp-body. It is essentially a ring split through its upper periphery and adapted to embrace the horizontal arm *b* of the seat-post B. It is provided with the two vertical ears *a a'*.

C represents the movable clamp member, which includes a clamp-disk *c*, having a substantially horizontal groove *c'* across its inner face, a threaded stem *c²*, which projects from the outer face of said disk, and a threaded stem *c³*, which projects from the inner face of said disk at a point below the groove *c'* and out of line with stem *c²*.

The ears *a a'* are both perforated, the perforation through ear *a* being adapted to fit the disk *c* more or less loosely, and the perforation in ear *a'* being placed at a point to permit the passage of the stem *c³* when the groove *c'* is substantially horizontal. The inner face of the ear *a'* has a groove *a²*, which is in the same plane with the groove *c'*. The

upper edges of these two grooves *a²* and *c'* are slightly beveled, as shown.

D D' represent nuts which screw upon the threaded stems *c²* *c³*.

E represents a washer which lies against the outer surface of ear *a*, loosely embracing the stem *c²*.

In use the spring F of a bicycle-saddle is placed between the ears *a a'*, resting upon the clamp-body and above the stem *c²*. Its edges are embraced by the grooves *a²* and *c'* and are clamped tightly between said disk *c* and ear *a* when the former is drawn inward by turning the nut D' onto the stem *c³* and against the ear *a²*.

To tighten the clamp-body upon the seat-post, the nut D is screwed on against the washer E, which draws the two ears toward each other.

Having described my invention, I claim—

1. In a clamp, the combination of the body comprising a split ring having two perforated ears, with the movable clamping member comprising a disk, which is slidable in the perforation in one ear, stems which project from opposite sides of said disk and pass through said ears, and the nuts upon said stems, substantially as and for the purpose specified.

2. In a bicycle-saddle clamp, the combination of the body, comprising a split ring and two ears *a a'* which are perforated out of line with each other, with the movable clamping member, comprising the disk, which fits the perforation in one ear, and two threaded stems which project from opposite sides of said disk, the inner face of the disk and the opposing ear being grooved, the washer, and two nuts, substantially as and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES C. SMITH.

Witnesses:

A. L. GARFORD,
D. B. ANDREWS.