

(No Model.)

T. W. CONNOLLY.
BASIN CLAMP.

No. 599,687.

Patented Mar. 1, 1898.

Fig. 1.

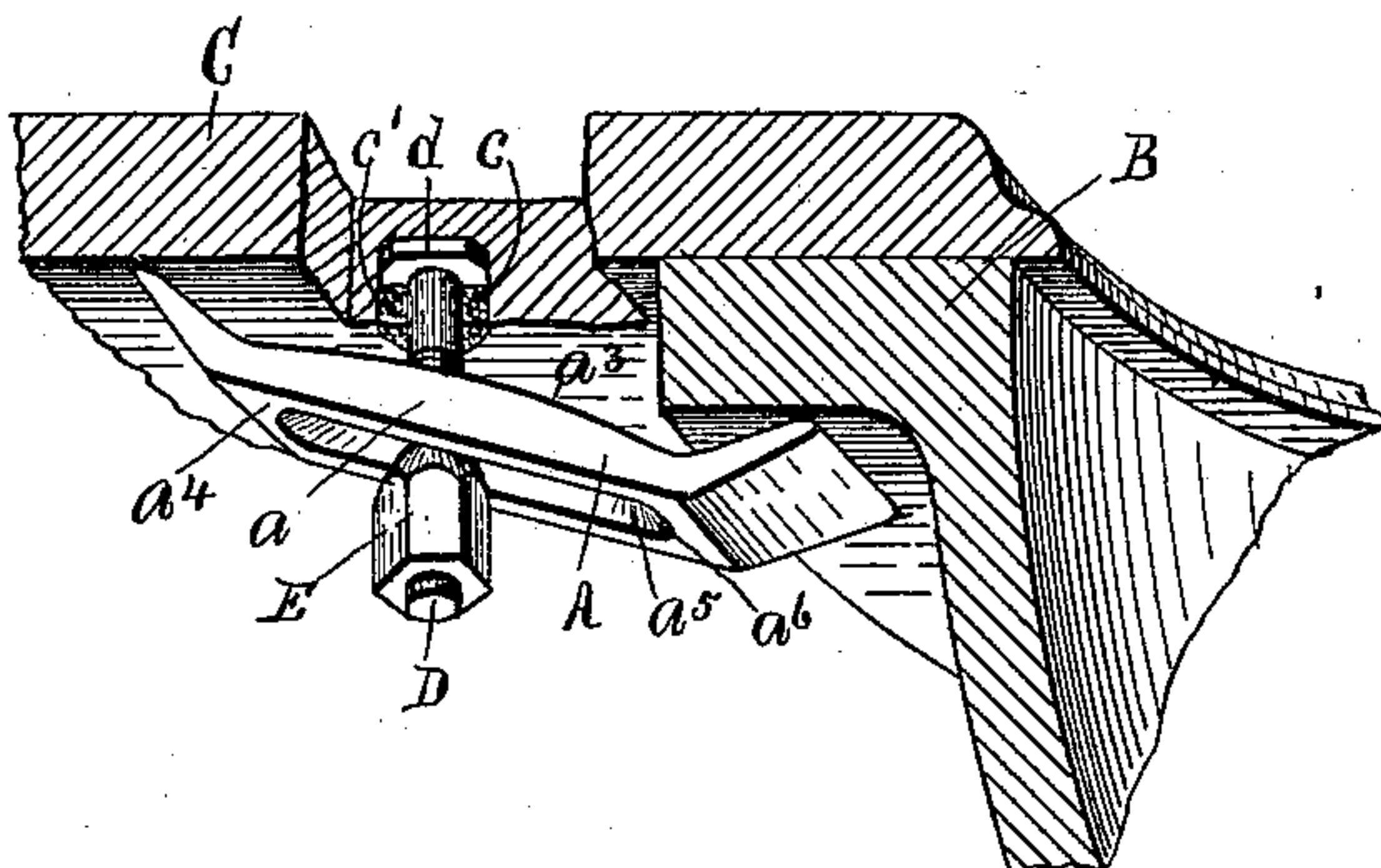


Fig. 2.

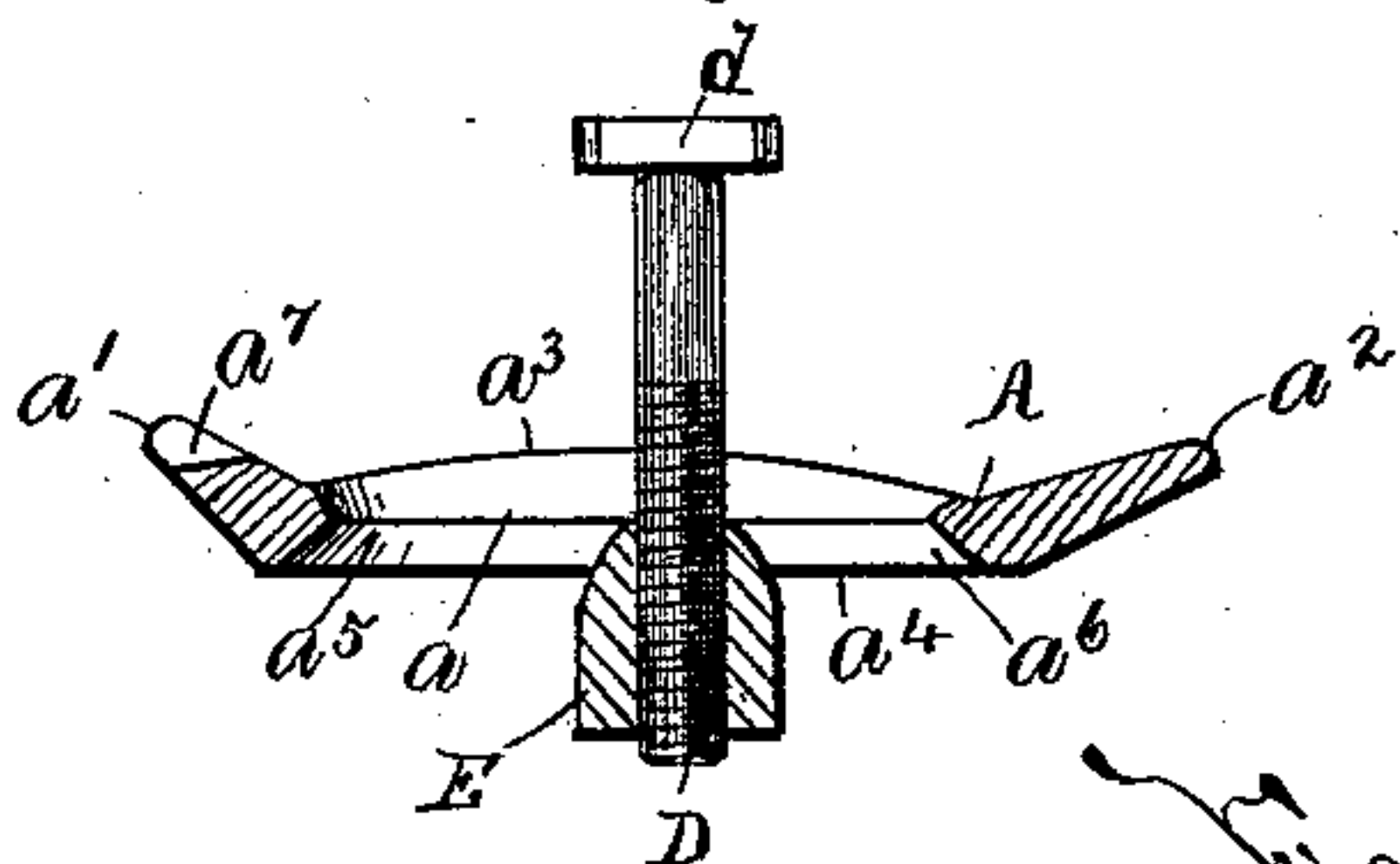


Fig. 4.

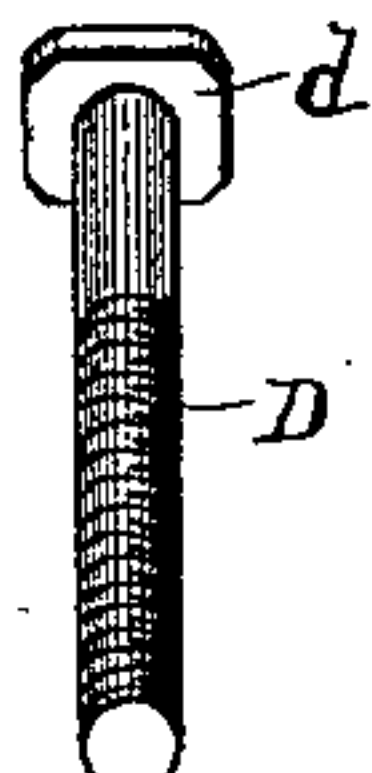


Fig. 5.

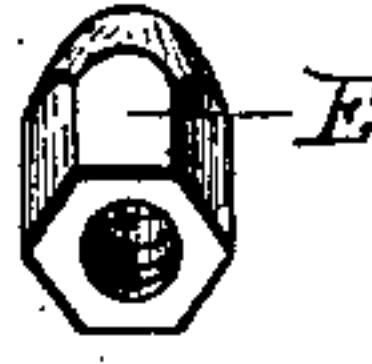
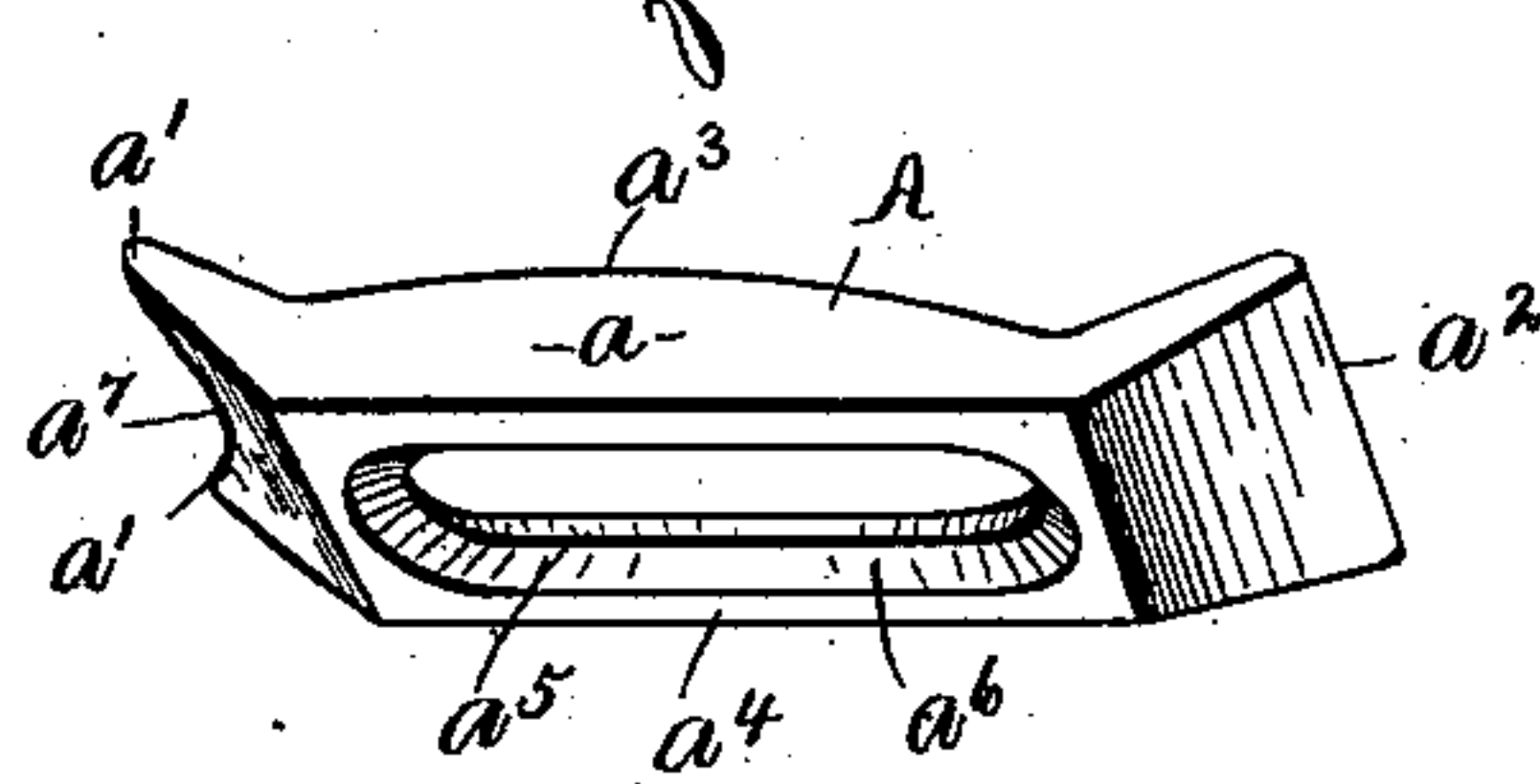


Fig. 3.



WITNESSES:

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THOMAS W. CONNOLLY, OF ROCHESTER, NEW YORK.

BASIN-CLAMP.

SPECIFICATION forming part of Letters Patent No. 599,687, dated March 1, 1898.

Application filed June 19, 1895. Serial No. 553,326. (No model.)

To all whom it may concern:

Be it known that I, THOMAS W. CONNOLLY, of Rochester, in the county of Monroe, in the State of New York, have invented new and useful Improvements in Basin-Clamps, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to improvements in basin-clamps, and has for its object the production of a simple and highly-effective device which is adjustable to a maximum degree and is strong and durable in use; and to this end it consists, essentially, in the general construction and arrangement of the parts of the basin-clamp, all as hereinafter fully described, and pointed out in the claims.

In describing this invention reference is had to the accompanying drawings, forming a part of this specification, in which like letters indicate corresponding parts in all the views.

Figure 1 is an isometric view of my improved basin-clamp and portions of a basin and its support operatively engaged thereby. Fig. 2 is a longitudinal vertical section of my improved basin-clamp, the bolt being shown in elevation; and Figs. 3, 4, and 5 are isometric views of the bar or strip, the bolt, and the adjusting-nut of the clamp.

A is the bar or strip of the basin-clamp, which is preferably formed of cast metal, and consists of a continuously-extending central portion a and engaging shoulders a' a^2 , projecting upwardly from the opposite ends of the portion a at an angle less than a right angle and engaged, respectively, with a flange b , projecting from the basin B, and the under face of the support C. The central portion a is usually formed with a longitudinally convex upper face a^3 and a substantially flat lower face a^4 , and is provided with a longitudinal slot a^5 , extending through the faces a^3 a^4 . The lower face a^4 of the central portion a is also provided with an engaging surface a^6 , surrounding the slot a^5 and inclining transversely therefrom. The upper engaging shoulder a' is preferably formed with a cut-out a^7 , extending inwardly from its opposite extremities for forming separated projections, which engage the support C and prevent slipping of the bar or strip A.

D is a bolt passed through the slot a^5 and having its upper end secured to the support C. The upper end of the bolt D is preferably arranged in a socket c in the support C and is provided with a head or shoulder d , which is engaged by any suitable fastening means c' , as lead or a cement, secured in the socket c . The lower end of the bolt D is screw-threaded, and an adjusting-nut E is movable lengthwise thereon and is provided with a convex or substantially semispherical upper end engaged with the surface a^6 .

The operation of my invention will be readily understood upon reference to the foregoing description and the accompanying drawings, and it will be particularly noted that the bar or strip of the clamp may be considerably adjusted after the bolt is secured in position, and that the construction of the adjacent faces of said bar or strip and the adjusting-nut effects a practical engagement of said parts irrespective of the adjustment of the bar or strip and without any liability of displacement of said bar or strip.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a basin-clamp, the combination of a bar or strip formed with engaging shoulders at its opposite ends and a lengthwise slot extending through its top and bottom faces, and having its lower face provided with an engaging surface inclining transversely from the slot, a bolt passed through said slot and having its lower end provided with a nut formed with a convex upper face engaged with said inclined surface, substantially as and for the purpose described.

2. In a basin-clamp, the combination of a bar or strip formed of a continuously-extending central portion, and engaging shoulders projecting from the opposite ends of the central portion at an angle less than a right angle, said central portion being formed with a slot extending through its top and bottom faces and having its lower face provided with an engaging surface surrounding said slot and inclining transversely therefrom and one of said engaging shoulders being formed with a cut-out extending inwardly from its opposite extremities for forming separated engaging projections, a bolt passed through said

slot and provided with a nut engaged with said inclined surface, substantially as and for the purpose specified.

3. In a basin-clamp, the combination of a
5 bar or strip A formed of a continuously-extending central portion a and engaging shoulders a' a^2 projecting upwardly from the opposite ends of the central portion a at an angle less than a right angle, said central portion
10 being provided with a longitudinally-convex upper face a^3 , a substantially flat lower face a^4 , and a slot a^5 extending through the faces a^3 a^4 , and having its lower face a^4 provided with an engaging surface a^6 inclining transversely from the slot a^5 , and the engaging
15 shoulder a' being formed with a cut-out a^7 extending inwardly from its opposite extremities for forming separated engaging projections, a bolt D passed through said slot
20 and having its upper end provided with an engaging shoulder d , and a nut E movable lengthwise on the lower end of the bolt and

provided with a substantially semispherical upper face engaged with the inclined surface a^6 , substantially as and for the purpose set
25 forth.

4. In a basin-clamp, the bar A, having upturned ends, one of which has a cut-out a^7 , to form separated projections to prevent the slipping of the end of the bar, which is provided with a longitudinal slot having beveled
30 edges, combined with a screw-bolt, and a nut having a rounded end which fits the beveled edges of the slot at any point between its ends, substantially as shown.

35 In testimony whereof I have hereunto signed my name, in the presence of two attesting witnesses, at Rochester, in the county of Monroe, in the State of New York, this 7th day of June, 1895.

THOMAS W. CONNOLLY.

Witnesses:

K. H. THEOBALD,
E. A. WEISBURG.