(No Model.)

F. G. JANUSCH.

STUD FOR FIRE PLACE FRAMES AND FENDER BARS.

No. 300,081. Patented June 10, 1884.

Fig. 1.

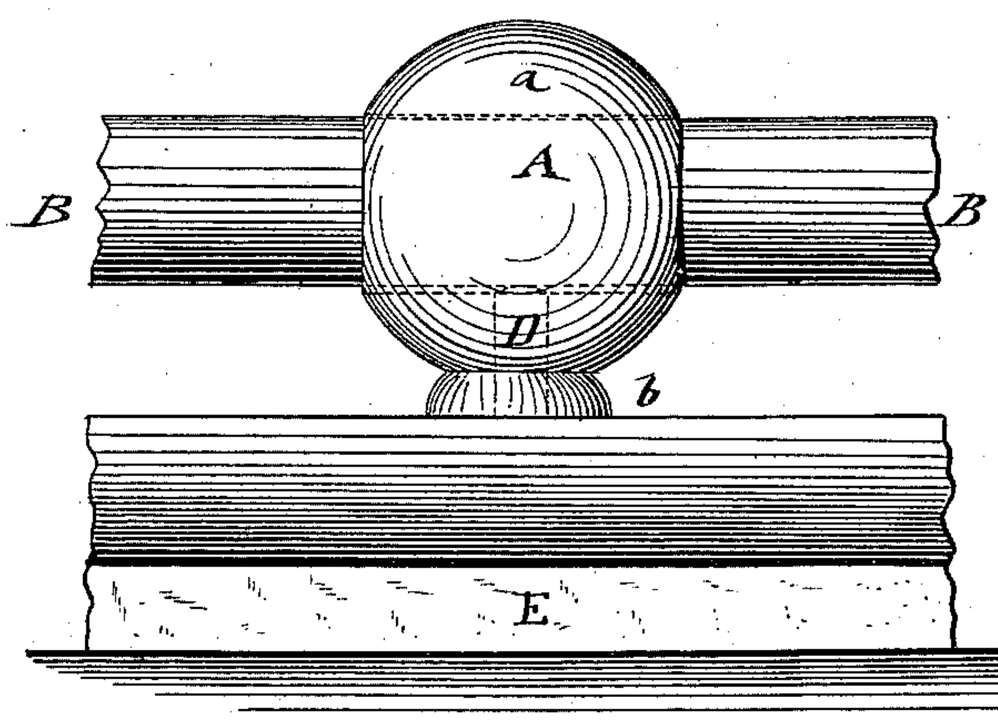


Fig. 2.

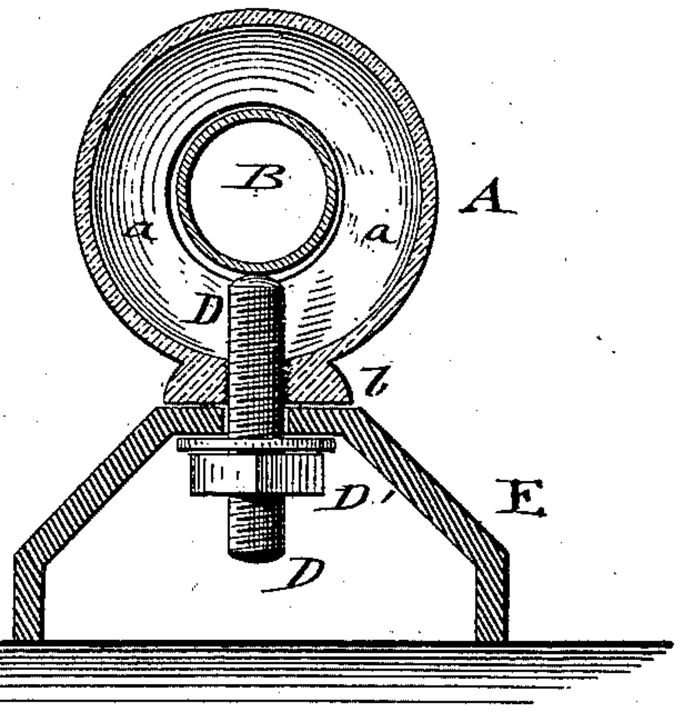


Fig. 3.

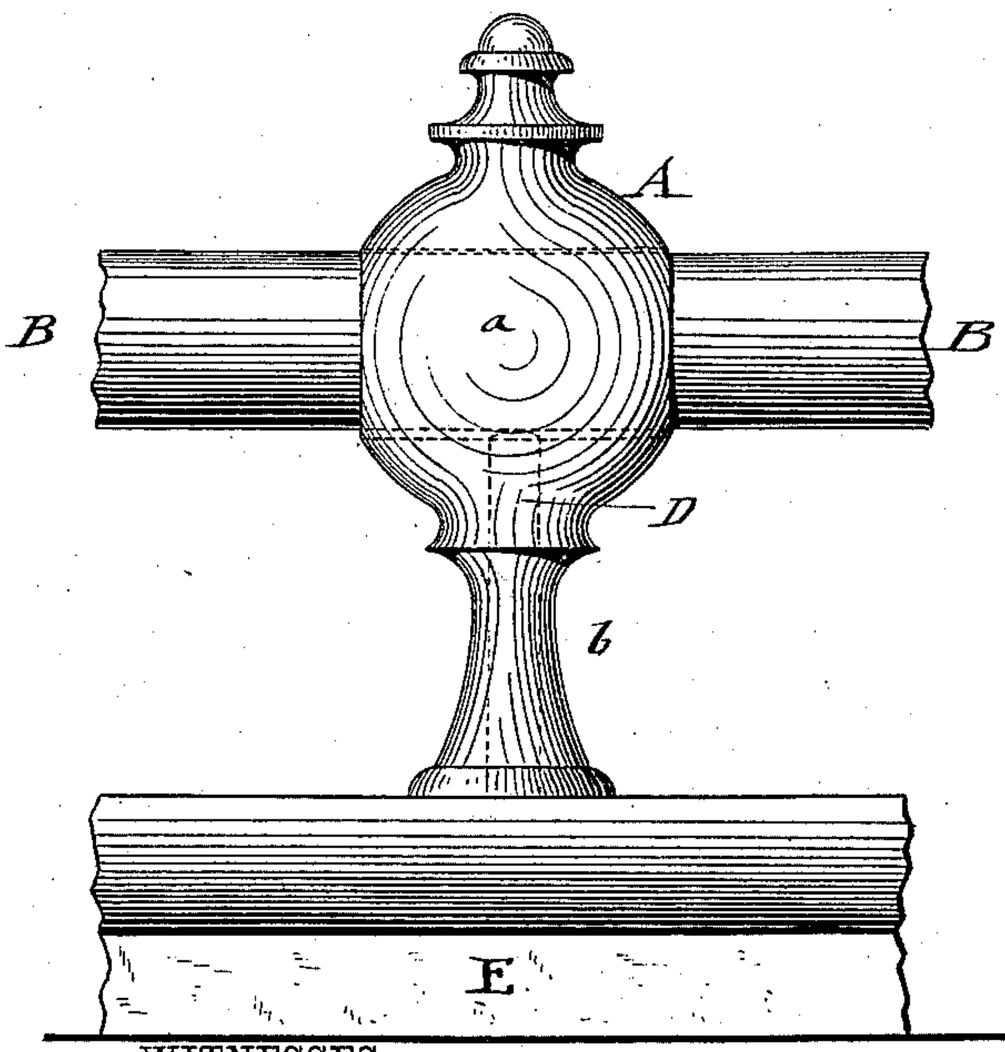
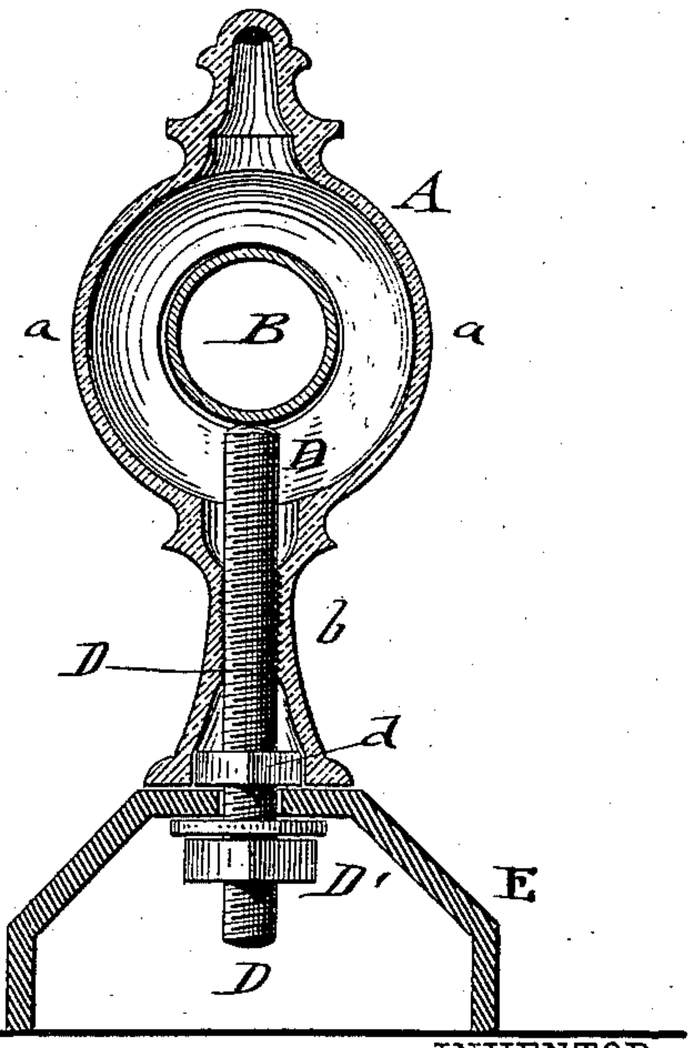


Fig. 4.



WITNESSES:

F. H. Rosenbaum.

Martin Petry.

INVENTOR

Frederick G. Janusch

BY Goepel & Raegener.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

FREDERICK G. JANUSCH, OF NEW YORK, N. Y.

STUD FOR FIRE-PLACE FRAMES AND FENDER-BARS.

SPECIFICATION forming part of Letters Patent No. 300,081, dated June 10, 1884.

Application filed October 19, 1883. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK G. JANUSCH, of the city, county, and State of New York, have invented certain new and useful Improvements in Studs for Fire-Place Frames and Fender-Bars, of which the following is a specification.

This invention has reference to an improved stud for fire-place frames, summer-pieces, and fender-bars; and the invention consists of a hollow cast-metal stud provided with openings for the fender bar or rod, said stud being provided with an interiorly-threaded shank, through which is passed a clamping-screw that serves the double purpose of clamping the fender-rod rigidly to the stud and of attaching the stud to the fire-place frame or fender-bar.

In the accompanying drawings, Figures 1 and 2 represent a side view and a vertical transverse section of my improved stud for fire-place frames. Figs. 3 and 4 are a side view and a vertical transverse section of a stud for fender-bars.

Similar letters of reference indicate corresponding parts.

The stud A is made of brass or other suitable cast metal, and used either in connection with a fender-bar, so as to support the tube or rod that surmounts the fender, or it is attached to the front portion of the fire-place frame.

The stud occupies, when applied to the fender-bar, a vertical position, while on a fire-place frame it assumes a horizontal position. It is composed of a hollow spherical or enlarged portion, *a*, which is provided with openings of suitable size and shape, so as to admit the passage of the ornamental brass rod or tube B, which the stud is intended to support. The fender-rod B is in most cases round; but it may be made of any other suitable cross-section, according to the character and design of the fire-place frame or fender. The body *a* of the stud A is cast integral with its hollow shank *b*, which is provided with an interior screw-thread at its inner surface, through which a threaded bolt, D, is screwed that has the twofold purpose, first, of clamping by its upper end the tube or rod B into position in the enlarged end *a* of the stud; and, secondly, of being attached at its lower end by a washer and screw-nut, D′, to the inner surface of the fire-place frame or fender, as the case may be.

When applying the stud to the fire-place frame or fender, the screw-bolt D is first screwed up through the shank *b*, so as to secure the rod B in position when passed through the openings of the frame or fender-stud, and secured thereto by the screw-bolt D.

Figs. 1 and 2 show a plain form of stud for fire-place frames, while Figs. 3 and 4 show a more ornamental stud, as applied to the fenders. In the latter case a collar or guide-nut may be inserted into the hollow lower part of the shank *b*, so as to steady the screw-bolt D and prevent it from getting out of center.

The advantage of my improved fender-stud as compared to the fender-studs heretofore in use is, first, that the same screw-bolt which serves for fastening the stud to the fire-place frame or fender E serves also for the purpose of clamping the rod or tube B to the stud; secondly, that the screw-bolt presses the rod or tube to be supported against the upper part of the stud, so that it is thereby in close contact with the upper edges of the openings of the stud, while the small space between the rod or tube and the lower edges of the openings is covered by the rod B and does not show at all. A third point of advantage is that the stud is cast integral with its hollow shank, and can be manufactured in a neater and cheaper manner, dispensing entirely with the wedges or other means heretofore employed for fastening the bar or rod to the studs.

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

1. The combination, in a fire-place frame or fender, of the base of the same, a stud having a hollow body and shank, said shank being cast integral with the body and provided with an interior screw-thread, a threaded bolt passing through the shank, a screw-nut for fastening the bolt, and a fender-bar passing through openings of the hollow stud and locked by the threaded bolt, substantially as set forth.

2. A stud for fender bars and frames, com-

posed of a hollow body having openings for the fender-bar, a shank cast integral with the body and having an interior screw-thread, a threaded bolt screwing in said shank, and a screw-nut applied to the outer end of the screw-bolt, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

FREDERICK G. JANUSCH.

Witnesses:
PAUL GOEPEL,
SIDNEY MANN.