H. A. FRENTZ.

ANDIRON.

APPLICATION FILED OCT. 24, 1907.

906,006. Patented Dec. 8, 1908.

Fig. 4

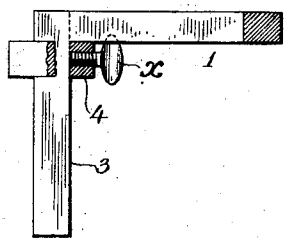


Fig. 1

Fig. 2

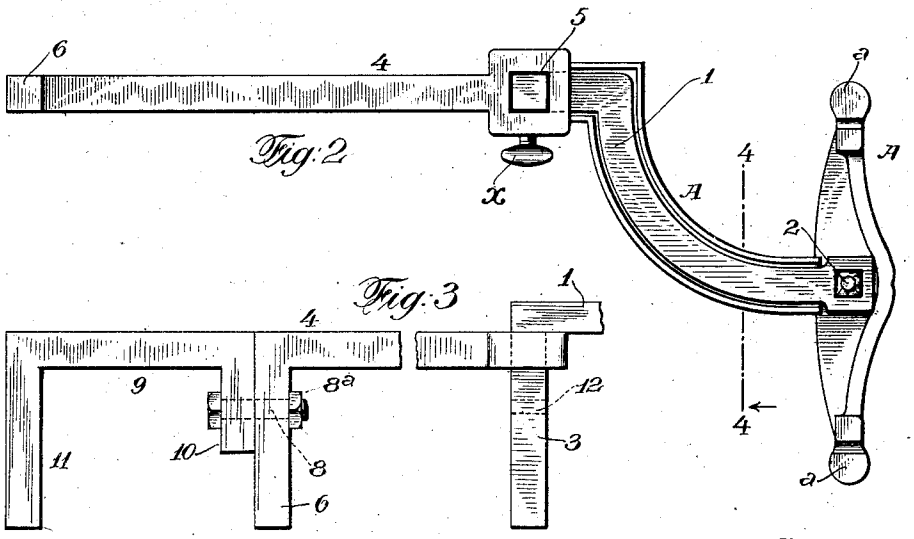


Fig. 3

Witnesses:
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UNITED STATES PATENT OFFICE.

HENRY A. FRENTZ, OF HOBOKEN, NEW JERSEY, ASSIGNOR TO WILLIAM H. JACKSON COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

ANDIRON.

No. 906,006. Specification of Letters Patent. Patented Dec. 8, 1908.

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To all whom it may concern:

Be it known that I, HENRY A. FRENTZ, a citizen of the United States, residing at Hoboken, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Andirons, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to an improvement in andirons. Its objects are to produce an andiron having a detachable log-supporting shank which, when broken, may be readily replaced by a new one, without welding or other smith-work; which, when its log-supporting shank is broken off or removed, will stand alone; which may be packed for transportation or storage in a materially smaller and less expensive box or package than has been possible heretofore; and which is adapted, when its parts are assembled, to comprise a log-supporting shank of any required length to adapt the andirons to fireplaces of any given depth. Moreover, andirons containing my invention may have their log-supporting shanks removed, so that the brasses may be placed in normal relation to sample mantels in warerooms for display.

In the drawings, Figure 1 is a side elevation, and Fig. 2 a bottom plan view, of a goose-neck andiron containing my invention; Fig. 3 is a side elevation of a plurality of detachable log-supporting shanks with which my andiron is preferably provided; Fig. 4 is an elevation, partly in section, at line 4—4, of Fig. 2, of the main shank, with a portion of the detachable log-supporting shank mounted on the leg thereof, and clamped thereto by a set-screw, the log-supporting shank being broken away for greater clearness.

Referring to Figs. 1 to 4, inclusive, of the drawings, A represents the head, or what is commonly called the brass, of an andiron, that is shown in goose-neck form, although my invention is applicable to all other styles of andiron; 1 is the main shank or shank-iron, bolted at 2 to the brass A as heretofore, and extending forwardly to the front end of the brass, where it extends downwardly to form a supporting-leg 3 of the brass, which is to be formed with the usual feet *a*, *a*, or other suitable support for the front portion of the brass. The leg 3 and the shank-iron 1 are integral, and this is a new construction.

The main log-supporting shank 4 has its forward end provided with a preferably angular opening 5, through which the leg 3 is passed. A set-screw *x* extends through one wall of the opening 5 and engages leg 3 to clamp the main log-supporting shank 4 in place, the front portion of the shank-iron 4 being provided with an integral downwardly-extending leg 6 which, when the parts are assembled, supports the andiron in place. Leg 6 is preferably provided with a hole 7 through which a bolt 8 is passed to clamp the auxiliary log-supporting shank-iron on the inner end of the main log-supporting shank 4. This auxiliary shank-iron 9 is formed with an integral extension 10, perforated for passage of the bolt 8, which is clamped in place by a nut 8^a. The inner or rear end of the auxiliary shank-iron 9 is provided with a leg 11. If desired at any time, the auxiliary shank-iron 9 may be bolted to leg 3, which is conveniently provided with a bolt-hole 12 for that purpose.

My novel construction of andiron possesses the very marked advantages indicated by the foregoing statement of the objects of my invention.

It will be obvious that the legs 6 and 11, either or both, may be of any desired height, so that the upper surfaces of the main and auxiliary log-supporting shanks, either or both, may be at any desired height above the bottom of the fireplace; and that each of the log-supporting shanks may be of any desired length. Consequently my new andirons may be adapted to fireplaces of any desired depth, and without regard to the height of the legs 6 and 11. In many cases the andirons are made without the auxiliary log-supporting shank 9, but in some cases it is desirable to dispense with the main log-supporting shank 4 and to attach the auxiliary log-supporting shank 9 directly to the front leg 3 of the main shank-iron 1.

Obviously, when a log-supporting shank-iron is burned out or broken, the andirons may be kept at home and new log-supporting shanks obtained. This obviates the necessity of smith-work, and is a matter of great convenience. It is also obvious that the parts of my new andiron may be thus assembled and very compactly packed. This

results in economy of package, storage and transportation. A further advantage of the construction is that the angular opening 5 cooperates with the angular leg 3, so that the log-supporting shank 4 does not swing thereon but is kept in line with the straight front end of the main shank-iron.

In many stores, dealers in mantels and andirons place sample mantelpieces directly against flat walls which do not have any fireplaces or recesses to receive the log-supporting shanks. Consequently, in displaying andirons of the old construction, they have to be set at an angle to the front of the mantelpiece, and such a display thereof is not satisfactory because the andirons are not in their normal position, and thus proper study of their effective relation to the mantelpiece is prevented; or, if they are set in normal relation to the mantelpiece, the brasses project to an inconvenient distance into the room, and are objectionable for that reason. In displaying my new andirons, the log-supporting shanks may be removed, and the brasses, with the main shank 1 and its leg 3, brought closely up to the mantelpiece, in proper relation thereto, when they do not project seriously out into the room.

What I claim is:—

In an andiron, the combination of a brass or head; a main shank-iron secured to the head and having an integral leg rearward thereof; and a detachable log-supporting shank provided with a leg at its rear end, and, at its front end with an angular opening through which the leg of the main shank-iron passes; and means for clamping the inner end of the detachable shank to the leg of the main shank-iron.

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

HENRY A. FRENTZ.

Witnesses:
F. E. NARES,
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