

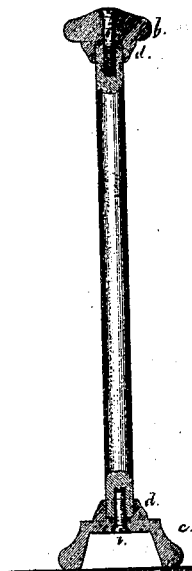
*S.S. Bent,*

*Iron Fence.*

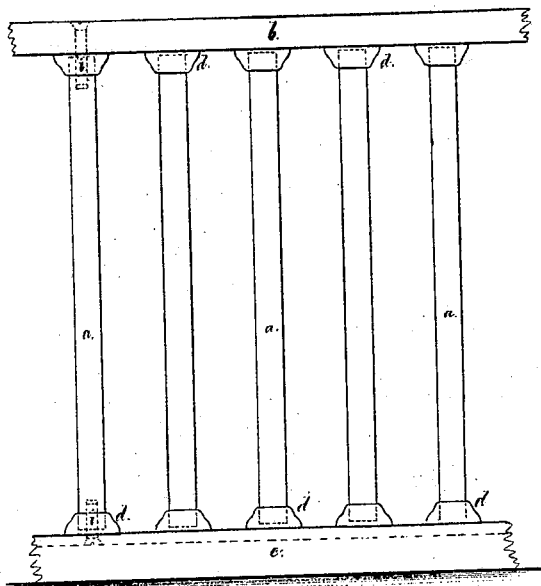
*No. 112,887.*

*Patented Mar. 21. 1871.*

*Fig. 1.*



*Fig. 2.*



*Samuel S. Bent*

*Witness*

*Chas. H. Smith*

*Geo. S. Warren*

# United States Patent Office.

SAMUEL S. BENT, OF PORT CHESTER, NEW YORK.

Letters Patent No. 112,887, dated March 21, 1871.

## IMPROVEMENT IN IRON RAILINGS.

The Schedule referred to in these Letters Patent and making part of the same.

### *To all whom it may concern :*

Be it known that I, SAMUEL S. BENT, of Port Chester, in the county of Westchester and State of New York, have invented an Improvement in Iron Railings; and the following is hereby declared to be a correct description of the same.

Iron railings have been made with the vertical bars set in top and bottom frames. Such vertical bars have been reduced at the ends to form connecting pins, passing through holes in the frames and riveted up; or else a hole has been bored into each end of the bar, into which a pin or screw has been inserted to connect the bar and the frame. In either of these instances considerable labor is required, and the railing has to be put together by the manufacturer. The same remarks apply to railings in which there is a collar or ornamental end to the bar adjacent to the frame, as such collar has to be forged upon such rail at considerable cost.

My invention is made to lessen the cost, facilitate construction, lessen bulk in transportation, and allow for polishing the metal bars with great facility.

I make use of round or other-shaped metal bars, rolled in the usual manner, and cut off the said bars into the necessary lengths.

These bars *a a* can be turned or polished with great facility, because they are not disfigured by heating or forging; and the bars being parallel from end to end, they can be tied up easily into bundles or packed into a small compass for transportation.

The top and bottom bars *b c*, forming the frame for

the metal fence, are to be cast of the desired length and sectional shape for the intended railing, and these, with the end posts or intermediate posts of usual character, form the frame or panel of the fence or railing.

My special feature of invention relates to the sockets *d*, cast with the rails *b* and *c*, and projecting from the surface to form ornaments around the ends of the bars *a a* and to receive the ends of such bars, as shown.

After the rails *b* and *c* are cast the sockets *d* are to be finished by a boring tool that leaves the sockets of a size adapted to receive the ends of the bars *a*, and said sockets may also be finished upon the outside by a boring or turning tool.

Where the panels or sections of the railings are of considerable length, the bars *a* may have screws or fastening pins introduced at the ends, as at *i i*, so as to tie the said rails *b c* together at suitable intervals.

The railings made in this manner are especially adapted to inside work, such as bank and office railings, stable fittings, &c., in which the bars can be made of polished metal.

I claim as my invention—

The sockets *d*, cast upon the rails or frame *b c*, and receiving the ends of the parallel bars *a*, as and for the purposes set forth.

Signed this 27th day of May, A. D. 1870.

SAMUEL S. BENT.

Witnesses:

CHAS. H. SMITH,  
GEO. T. PINCKNEY.