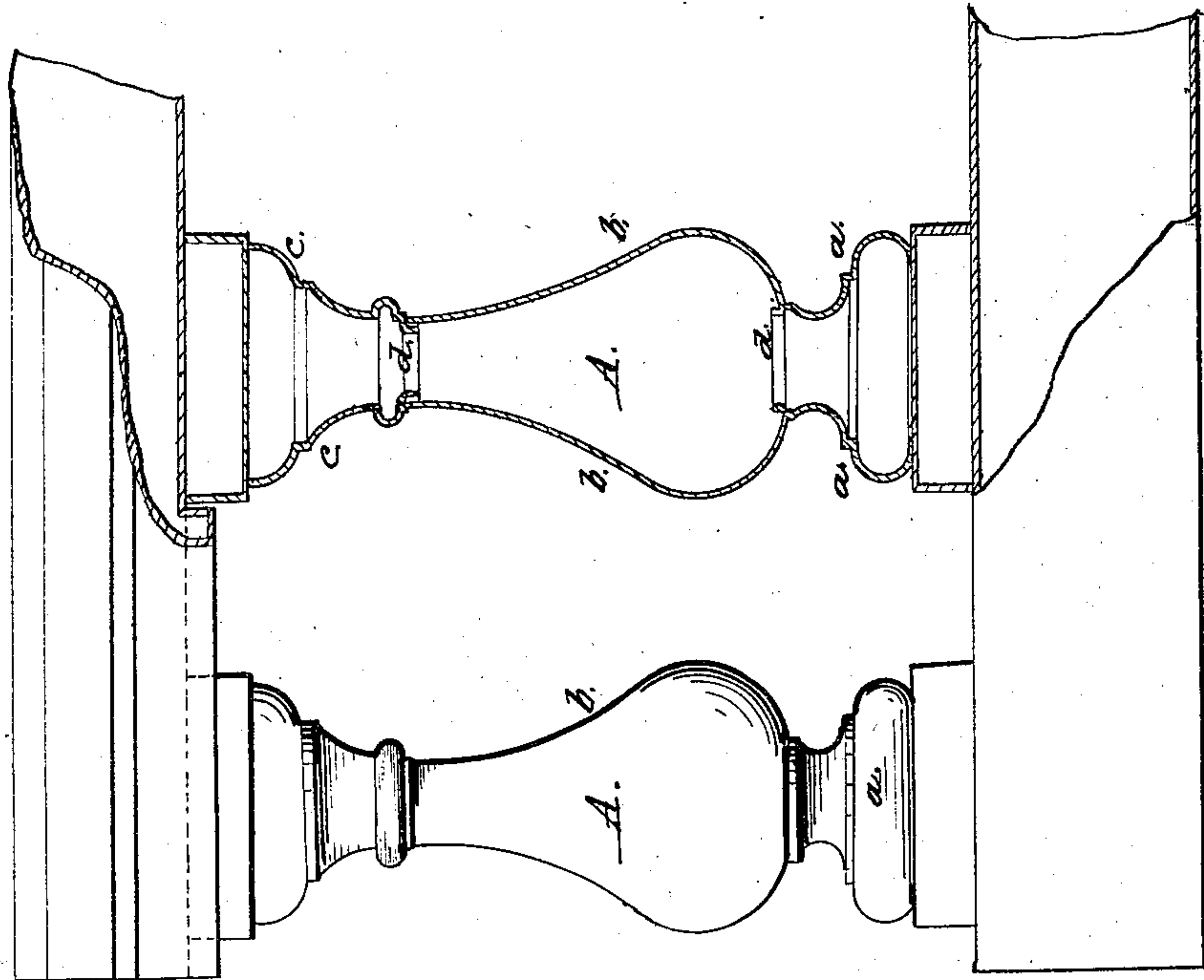


C. Fischer

Baluster

N^o 86,977.

Patented Feb 16, 1869.



Witnesses:
Joh. Becker.
Wm A. Morgan

Inventor:
C. Fischer.
per Mann & Co.
Attorneys.



GEORGE FISCHER, OF NEW YORK, N. Y.

Letters Patent No. 86,977, dated February 16, 1869.

IMPROVEMENT IN THE CONSTRUCTION OF SHEET-METAL BALUSTERS.

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, GEORGE FISCHER, of the city, county, and State of New York, have invented a new and improved Sheet-Metal Baluster for roofs, balconies, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

The drawing represents a side view, partly in section, of my improved baluster.

This invention relates to a new manner of making the metallic balusters, which are used on roofs, balcony-rails, &c., and which have heretofore been made of cast-metal, as it is too expensive to form the separate mouldings from strips of sheet-metal, and as, furthermore, in the latter case, the joints where the ends of the several strips are soldered can not be successfully concealed.

The present invention consists in forming sheet-metal balusters, by spinning the same in several parts from plates, and by connecting the several parts in suitable manner. Thereby, the finest specimens can be produced in absolute purity, no joints being on the sides, and no flaws, from imperfect casting, marring the beauty of the design.

A, in the drawing, represents a baluster made by my improved process.

I prefer to make it of three pieces, *a*, *b*, and *c*, for the base, body, and capital. In some cases, however, it may be practicable to make the body and capital, or the body and the base, of one single piece.

To spin a baluster of one piece of sheet-metal would be impracticable for the generality of designs, as the blocks could not be conveniently removed, and as the necessary strength could not be obtained.

The several pieces are spun on a lathe, in the same well-known manner in which other sheet-metal articles are now spun.

They are then connected in suitable manner, the best mode being to leave a flange, *d*, on one piece, and fit it into the other, as shown.

A wire or other main support may be fitted through the baluster, to support more firmly the cornice or rail which the balusters appear to support.

I claim as new, and desire to secure by Letters Patent—

Making balusters for roofs, balconies, &c., of two or more pieces of sheet-metal, which are spun into the requisite shape, substantially as herein shown and described.

GEORGE FISCHER.

Witnesses:

FRANK BLOCKLEY,
ALEX. F. ROBERTS.