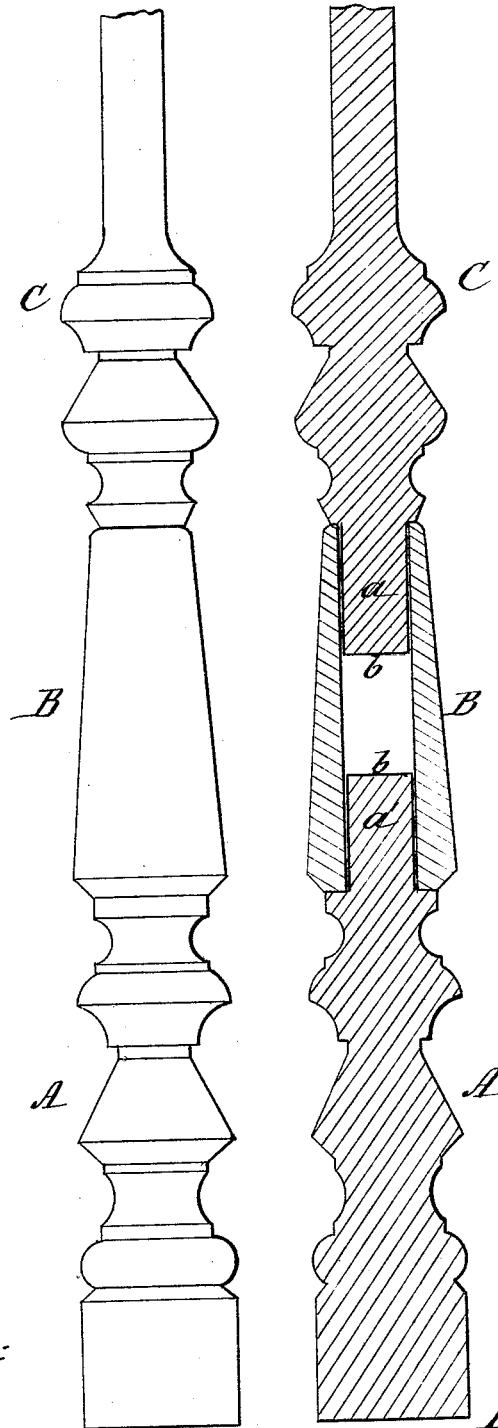


P. M. HAAS.

BALUSTERS FOR STAIRWAYS.

No. 183,921.

Patented Oct. 31, 1876.



Witnesses:

J. West Wagnon
J. H. Rutherford

Inventor:

Philip M. Haas
by *Johnson & Johnson*
Attys.

UNITED STATES PATENT OFFICE.

PHILIP M. HAAS, OF YOUNGSTOWN, OHIO.

IMPROVEMENT IN BALUSTERS FOR STAIRWAYS.

Specification forming part of Letters Patent No. **183,921**, dated October 31, 1876; application filed April 8, 1876.

To all whom it may concern:

Be it known that I, PHILIP M. HAAS, of Youngstown, in the county of Mahoning and State of Ohio, have invented a certain new and useful Baluster for Stairways, of which the following is a specification:

Referring to the accompanying drawings, which represent the baluster and the sectional parts thereof, A represents the base section; B, the middle section, and C the top, which is socketed in the stair-rail. The sections are secured together by dowels *a a'* of the top and bottom sections, which fit into sockets *b* in the middle piece. The parts may or may not be also glued together. The base is fastened, in the usual manner, to the tread of the stair. The middle section B may be of beach or ash, while the parts A and C may be of walnut or other suitable wood. In fact, such woods may be used in any of the sections, as may suit the general design of the building. My object is to put these balusters upon the market as a new manufacture.

It has heretofore been the custom to insert the different woods in panels, or to veneer them on. This has its disadvantages, which are apparent to those skilled in the art. My invention permits of the use of solid masses of different-colored woods, and also permits of a

closer packing in the shipment of the article. It also has the advantage of economy, as small pieces of different kinds of wood may be used. Besides, should one portion of an integral baluster become bruised or broken it becomes useless and unfit for other purposes. In my sectional baluster a part only is thrown aside in such contingency. The balusters may be made square, round, octagonal, or any variation of these shapes.

I have a machine for making these sectional balusters, which I shall make the subject of a separate application for Letters Patent, and my preferred method of making need not be particularly described, the foregoing specification, taken in connection with the drawings, being ample to enable carpenters to make and use the article.

I claim—

As a new article of manufacture, a baluster for stairways, made of wood or different woods and of connected sections A B C, substantially as described.

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

PHILIP M. HAAS.

Witnesses:

WILBUR A. REEVES,
E. M. REEVES.