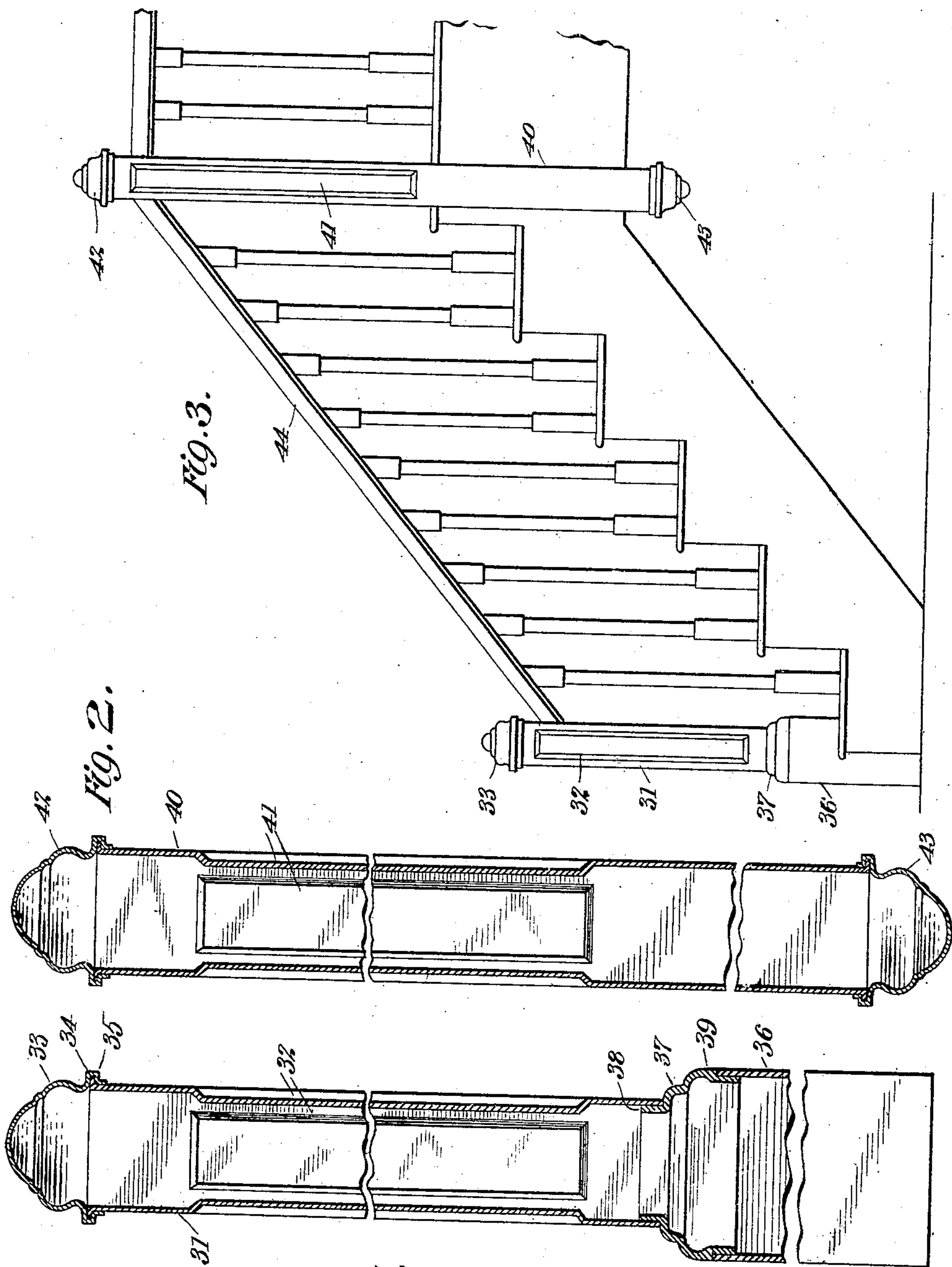


No. 868,429.

PATENTED OCT. 15, 1907.

S. GROSSMAN.  
METAL COLUMN, POST, AND THE LIKE.

APPLICATION FILED NOV. 19, 1906.



Witnesses  
James. Ober  
A. M. Hayes

FIG. 1.

Samuel Grossman Inventor  
By his Attorney Robert H. Moore



# UNITED STATES PATENT OFFICE.

SAMUEL GROSSMAN, OF NEW YORK, N. Y.

## METAL COLUMN, POST, AND THE LIKE.

No. 868,429.

Specification of Letters Patent.

Patented Oct. 15, 1907.

Application filed November 19, 1906. Serial No. 343,987.

*To all whom it may concern:*

Be it known that I, SAMUEL GROSSMAN, a citizen of the United States, residing in the borough of Manhattan, New York city, county and State of New York, have invented certain new and useful Improvements in Metal Columns, Posts, and the Like, of which the following is such a full, clear, and exact description as will enable any one skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to improvements in the construction of metal columns or posts and it is particularly applicable to the ordinary newel posts used with balustrades.

The invention consists in the various, novel and peculiar arrangements and combinations of the several different parts of the structure, all as hereinafter fully described and then pointed out in the claims.

I have illustrated a type of my invention in the accompanying drawings, wherein:—

Figure 1 is a vertical section of the lower newel post which is adapted to rest upon the floor at the foot of the stairway or at the landing. Fig. 2 is a vertical section of a newel post which has its lower end unsupported. Fig. 3 is a side view of a stairway shown on a reduced scale with a balustrade provided with a lower and upper newel post made in accordance with my invention.

Referring to the drawings in which like numbers of reference designate like parts throughout, and having reference more particularly to Figs. 1 and 3, the post therein shown as resting upon the floor comprises a hollow metal column 31, which is made from rolled sheet steel and is provided with ornamental panels 32 on each of the respective four sides thereof. This column may be made in any well-known manner but preferably in such manner that the joints formed by the meeting longitudinal edges of the metal have the ends thereof turned inwardly and concealed, in order to give a smooth and neat finish to the column. The upper end of the newel post is provided with a suitably shaped metallic cap 33, fitting over the outwardly projecting flange 34, formed on the upper edge of the column 31, by means of a suitable bend 35 in the lower edge of the cap, as shown in Fig. 1. The lower part or base 36, of the newel post is of a larger diameter than the upper and main part of the structure, and a metallic casting 37 is employed between these two parts for the purpose of uniting the same as well as finishing the exterior of the column. The metallic casting 37 has its upper end reduced as at 38 so as to fit within the interior of the lower end of the column 31 while the lower end of such casting is provided with an external shoulder 39, extending around the casting and onto which fits the upper end of the base 36, so as to form a flush joint. This base 36 is substantially similar in material and con-

struction to the upper and main part 31, so that the casting 37 forms a coupling piece between these two sheet metal parts. The exposed part of the exterior of the uniting casting 37 may be ornamented as desired, some such ornamentation being shown on the casting in both Figs. 1 and 3, in the way of horizontal corrugations or beads.

In Fig. 2, I show an upper newel post, which is also shown as built into a balustrade in Fig. 3, and this post comprises a hollow metallic column or body 40 having ornamental panels 41 formed thereon and provided at its upper and lower ends with metallic caps 42 and 43, respectively, which are fixed to the ends of the hollow structure, substantially in the manner described in connection with the structure shown in Fig. 1.

In Fig. 3 an ordinary stairway is shown with a set of steps and a landing or platform, the stairway being provided with a balustrade 44, in connection with which is used the hollow sheet metal newel posts 31 and 40 which are shown in detail in Figs. 1 and 2, respectively.

As the newel posts for stairs have heretofore been made of cast iron, I provide a very efficient substitute for the same by making them of hollow sheet metal, which may be ornamented and may be made of any desired thickness and weight, and I am thereby enabled to greatly reduce the cost of these structures, and I find in practice that I can produce the same at a cost of about one-fifth to one-tenth of what it costs to manufacture cast iron posts.

While I have shown this invention as being applied to the newel posts, both the main and the secondary ones, of a balustrade, it will, of course, be understood that posts or columns for other purposes may be constructed in accordance with this invention, and that the same may be varied in its detail without departing from the spirit of the invention.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is:

1. A column or post having a reduced and an enlarged part made of sheet-metal formed into a hollow body, and a metallic casting located between and connecting the said reduced and enlarged parts and forming an external shoulder between the two parts.
2. A column or post comprising an upper part made of hollow sheet-metal and a lower part also made of hollow sheet-metal and the two parts being of different diameters, and a metallic casting having its respective ends made of different sizes to fit the said respective parts and to unite the same.
3. A newel post comprising a hollow sheet-metal body or column, and sheet metal caps secured upon the respective ends of said hollow column or body.

In testimony whereof, I have hereunto set my hand in the presence of the two subscribing witnesses.

SAMUEL GROSSMAN.

Witnesses:

BERNARD S. DEUTSCH,  
SAMUEL B. POLLAK.