

No. 849,951.

PATENTED APR. 9, 1907.

R. B. WHITE.  
METAL COLUMN.

APPLICATION FILED NOV. 23, 1906.

FIG. 1.

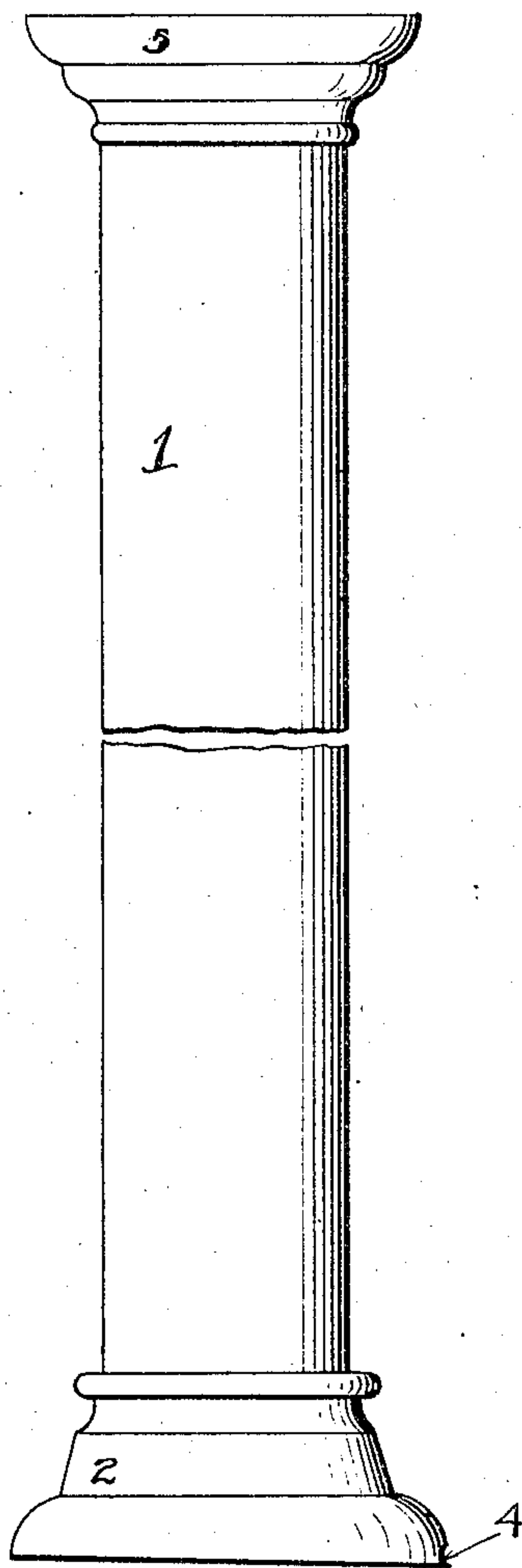


FIG. 2.

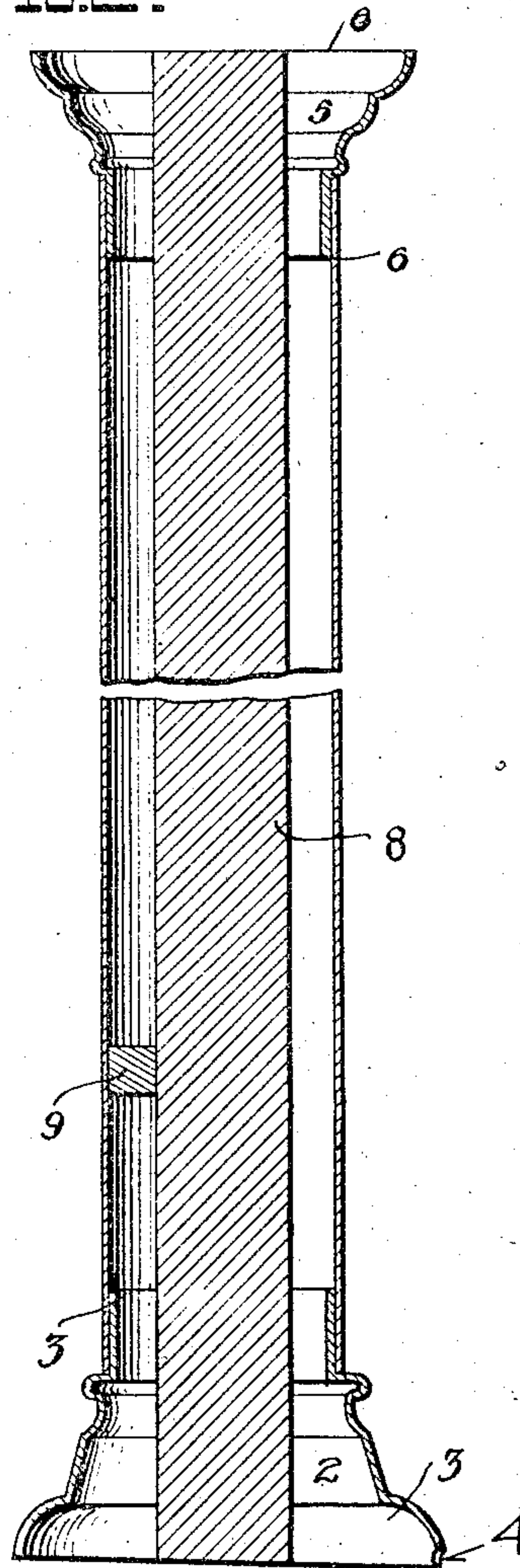
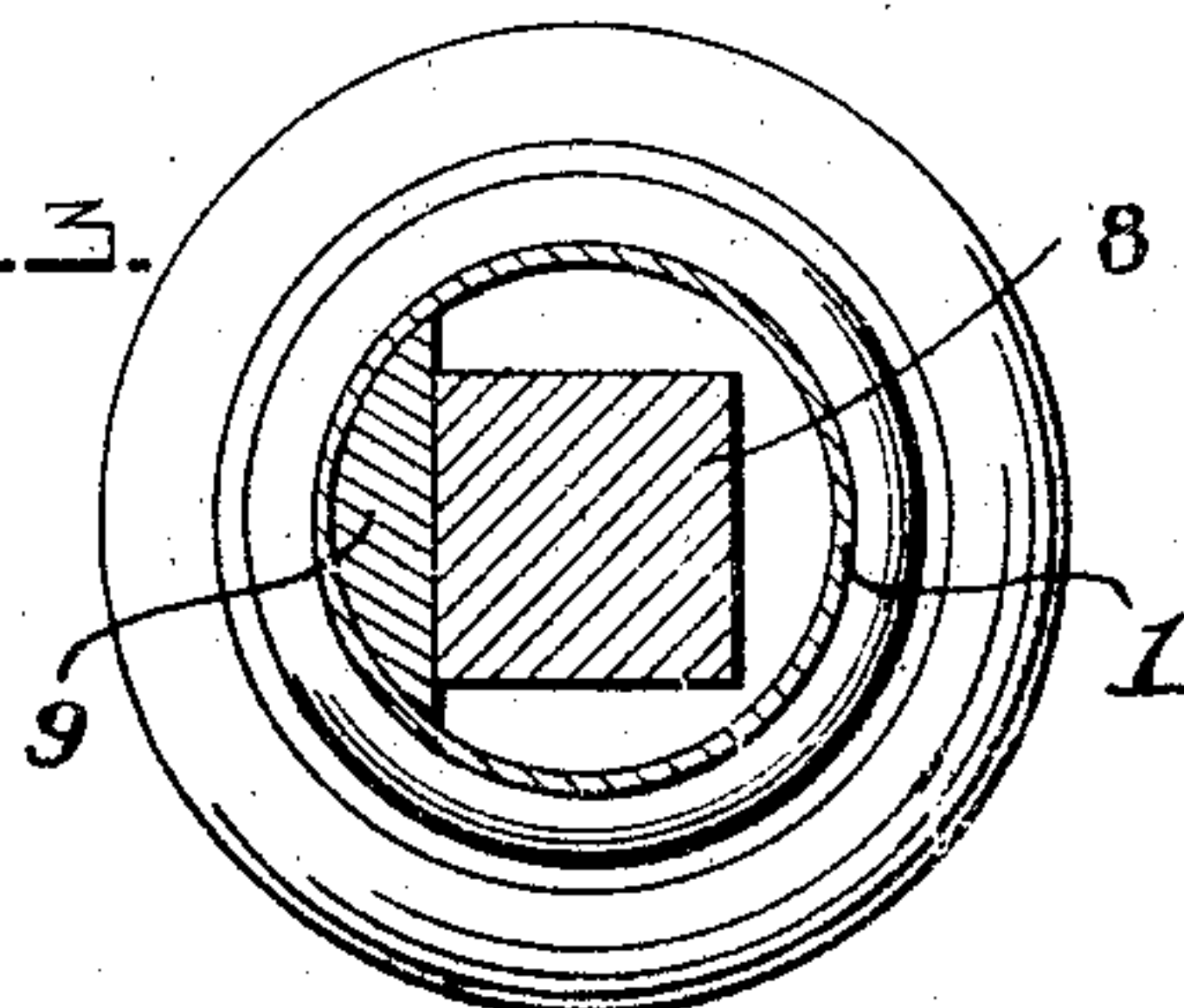


FIG. 3.



Inventor

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Witnesses

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# UNITED STATES PATENT OFFICE.

ROBERT B. WHITE, OF BOONVILLE, INDIANA.

## METAL COLUMN.

No. 849,951.

Specification of Letters Patent.

Patented April 1907.

Application filed November 23, 1906. Serial No. 344,766.

*To all whom it may concern:*

Be it known that I, ROBERT B. WHITE, a citizen of the United States, residing at Boonville, in the county of Warrick and State of Indiana, have invented certain new and useful Improvements in Metal Columns; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in metal columns.

One object of the invention is to provide a column of this character constructed of sheet metal having suitable cap and base portions which are connected within the sheet-metal shaft of the column by a rigid support.

A further object is to provide means by which a porch-rail may be connected to the column.

With the above and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a side view of a column constructed in accordance with the invention. Fig. 2 is a central vertical sectional view of the same, and Fig. 3 is a horizontal sectional view showing the manner in which a porch-rail may be connected thereto.

Referring more particularly to the drawings, 1 denotes the sheet-metal shaft of the column, which may be of plain cylindrical shape, as shown, or of corrugated or other ornamental design.

Arranged in the lower ends of the column 1 is a suitable base 2, which may be formed of cast-iron or of plastic material or any other suitable material. On the upper side of the base 2 is formed an upwardly-projecting boss or projection 3, that extends up into the lower end of the column a suitable distance to secure the column to the base. The lower side of the base may be inclined to one side to accommodate the same to the pitch or inclination of a porch-floor. In the under side of the base may be formed one or more grooves or channels 4 to permit the escape of water from beneath the column.

On the upper end of the column is arranged a cap 5, preferably formed of cast-iron; but

it may be constructed of a plastic composition. The cap 5 and the base 2 may be formed in any desired configuration or ornamental design. The cap 5 is provided on its under side with a downwardly-projecting boss or projection 6, which fits into the upper end of the column a sufficient distance to secure the cap thereto. In the cap 5 and base 2 project the upper and lower ends of a centrally-disposed support or brace 8 for supporting the weight of the roof. This roof-support 8 may be constructed of any suitable material, but which is preferably formed of wood, which may be coated or painted with a suitable preserving solution or paint to protect the same.

In manufacturing the columns the shafts may be made in a variety of sizes, thus permitting nesting of the same when being shipped. The caps and base-sections will also be formed in a variety of sizes, whereby they may also be nested together to facilitate the shipping thereof. Adapted to be secured to one side of the support 8 is a segmental block 9, the curved outer surface of the same being of the same size as and adapted to fit the inner wall of the column. The block 9 is secured to the support 8 in position to receive the nails or other fastening devices by which the end of the porch-rail is secured to the column, thus providing for a firm support and connection for the rail.

A column constructed as herein shown and described will be simple, strong, durable, and inexpensive in construction and may be constructed in a variety of styles or designs suitable for use on porches or other building construction.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined by the appended claims.

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

1. A metallic column comprising a sheet-metal shaft, a hollow base-section arranged



in the lower end thereof, a hollow cap-section in the upper end thereof, and a supporting-beam arranged in the shaft with its ends extending through said base-section and cap to support the weight of the roof.

2. A metallic column comprising a sheet-metal shaft, a hollow base-section detachably arranged in the lower end thereof, a hollow cap-section detachably arranged in the upper end thereof and a supporting-beam arranged in the shaft with its ends extending through said base-section and cap to support the weight of the roof.

3. A metallic column comprising a sheet-metal shaft, a hollow base-section arranged in the lower end thereof, a hollow cap-section in the upper end thereof and a centrally-disposed wooden supporting-beam arranged in the shaft, to support the weight of the roof and means to provide for the connection of a porch-rail to the column, substantially as described.

4. A metallic column comprising a sheet-metal shaft, a base-section arranged in the lower end of said shaft, said section having an inclined lower face, a cap-section arranged in the upper end of said shaft, a centrally-disposed wooden brace-bar arranged

in said shaft, for supporting the weight of the roof and a segmental block adapted to be secured to said central support, said block having a curved outer surface to fit the curve of the inner wall of the sheet-metal shaft, substantially as described.

5. A metallic column comprising a sheet-metal shaft, a hollow cast-iron base arranged in the lower end of said column, said base having an inclined lower edge and grooves or notches formed in said edge to permit the escape of water, a cast-iron cap secured in the upper end of said column, a centrally-disposed wooden support arranged in said shaft, for supporting the weight of the roof, and a segmental block adapted to be secured to one side of said central support and to fit the interior wall of the sheet-metal shaft to facilitate the engagement of a porch-rail thereto, substantially as described.

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

ROBERT B. WHITE.

Witnesses:

J. P. WEYERBACHER,  
E. H. GOUGH.