

No. 788,153.

PATENTED APR. 25, 1905.

R. HEGENER.
COLUMN.

APPLICATION FILED JAN. 21, 1905.

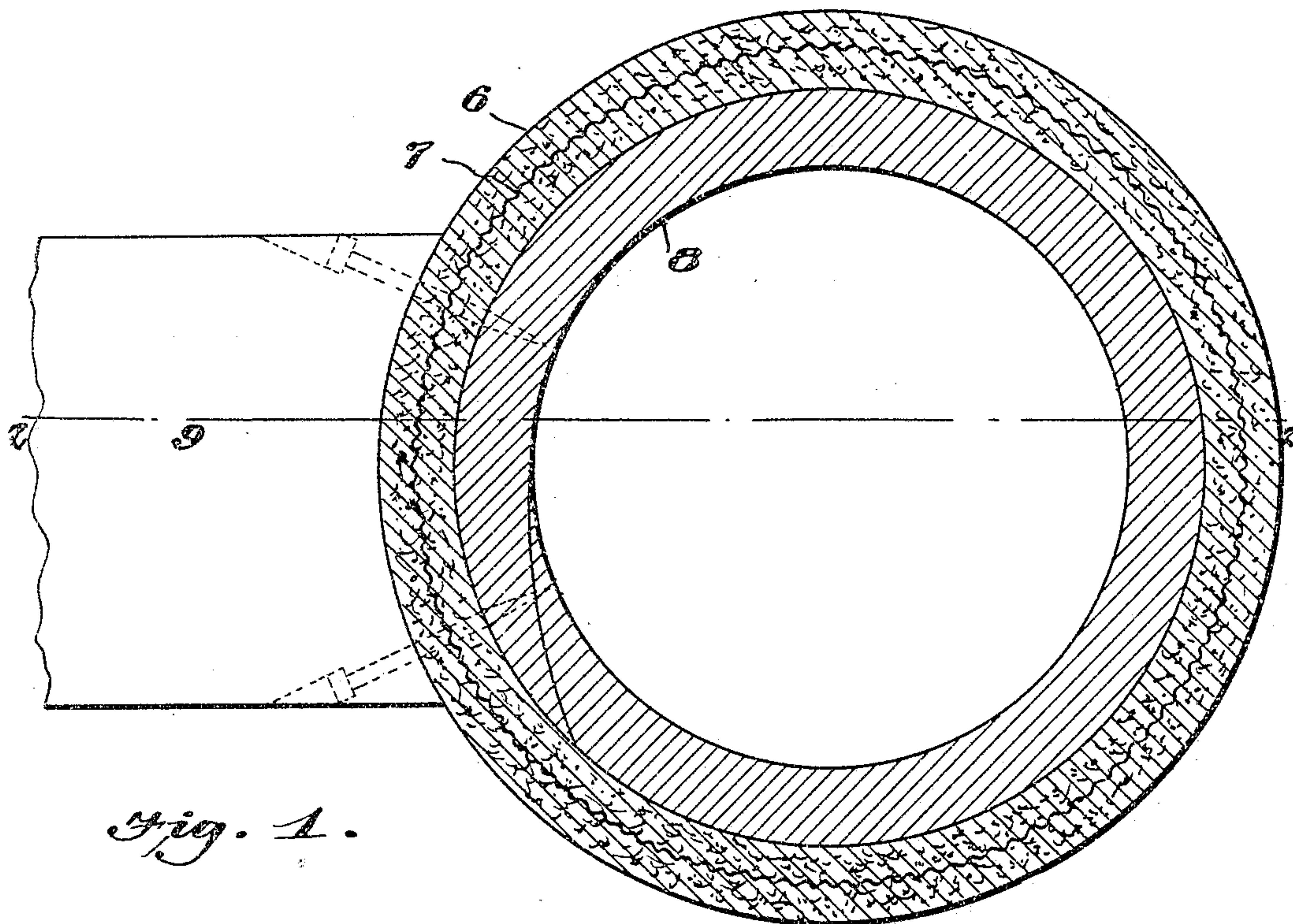


Fig. 1.

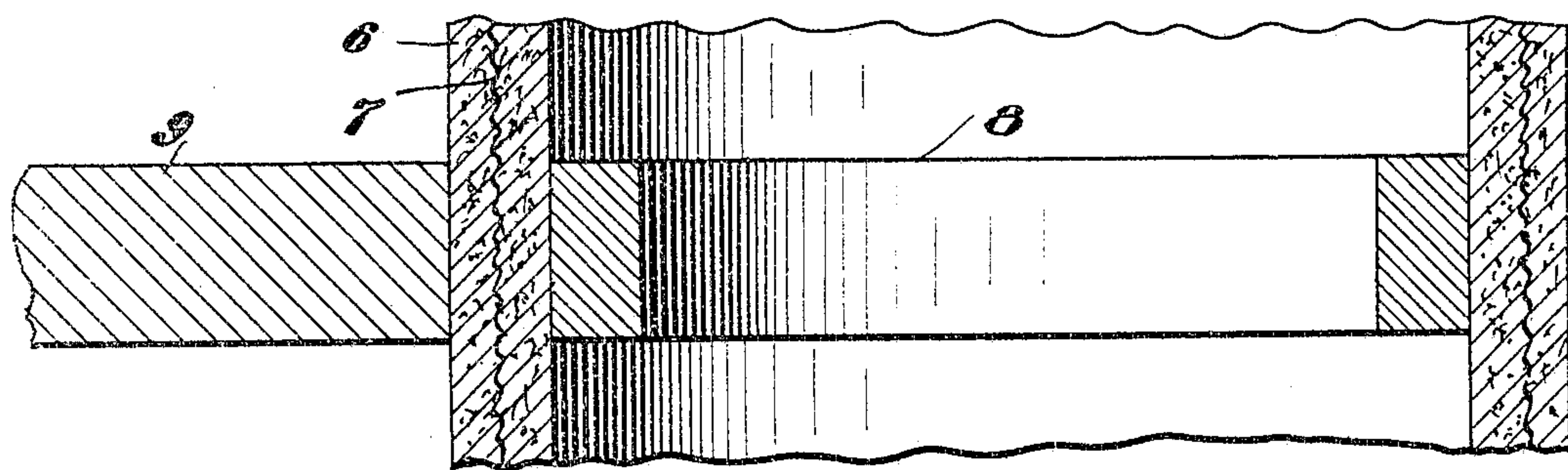


Fig. 2.

Witnesses

M. A. Schmidt
Geo. E. Tew.

Inventor
Rudolph Hegener,
by *Milo B. Stevens & Co.*
Attorneys.

UNITED STATES PATENT OFFICE.

RUDOLPH HEGENER, OF CHICAGO, ILLINOIS.

COLUMN.

SPECIFICATION forming part of Letters Patent No. 788,153, dated April 25, 1905.

Application filed January 21, 1905. Serial No. 242,136.

To all whom it may concern:

Be it known that I, RUDOLPH HEGENER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Columns, of which the following is a specification.

This invention relates to columns for building purposes, and specifically to a column made of concrete or plastic material.

It is known that columns have heretofore been made with a wooden core covered on the outside with plastic material.

The object of the present invention is to make the columns lighter in weight and less expensive to manufacture by omitting the wooden core. Bent wooden rings may be inserted in the column at any place desired, as for the attachment of the rail of a balustrade.

An embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a horizontal cross-section, and Fig. 2 is a vertical section on the line 2 2 of Fig. 1.

The column is made in any suitable mold and consists of a hollow cylinder of cement or plastic material (indicated at 6) reinforced or strengthened by a perforated metal cylinder 7, contained within the plastic wall. Although shown as cylindrical, it is to be understood that the column may be square, octagonal, or in any other form of cross-section, and it may also be fluted or otherwise ornamented or designed on the outside. A hollow column so formed with a wall of moderate thickness will be of sufficient strength for use as a porch-column or otherwise where there is not a heavy weight to be supported, although by thickening the wall the column may be made sufficiently strong to support considerable weight. Obviously the thickness of the wall and other proportions may be

varied as local conditions demand; but the device is especially useful as a porch-column.

For the purpose of securing the rails of a balustrade to the column bent wooden rings 8 are inserted therein. These may be made to fit with the ends fastened, or the ends may be left unfastened, so that the rings may be varied in size according to the size of the inside of the column, such rings being retained in place by the spring of the bent wood and also by the attachment of the balustrade-rails thereto. The rings are put at the desired height for the rails at the time the column is set up, and the carpenter can then bore holes through the outside plastic covering and fasten the rails by driving nails or screws through the plastic covering into the wooden rings. This will hold both the rings and the rails in place. A rail so attached is indicated at 9.

This invention provides a column of plastic material without the labor and cost incident to the construction of a wooden core. The perforated metal 7 is preferably of that material known as "metallic lath," although the particular kind of such material is a mere matter of choice.

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

1. A hollow building-column having movable wooden rings fitting therein and adapted for the attachment of rails to the column.

2. A hollow column of plastic material having a sheet of perforated metal embedded in and extending throughout the wall thereof, and wooden rings fitting inside the same.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

RUDOLPH HEGENER.

Witnesses:

SIGNA FELTSKOG,
H. G. BATCHELOR.