

(No Model.)

N. POULSON.
COLUMN.

No. 498,860.

Patented June 6, 1893.

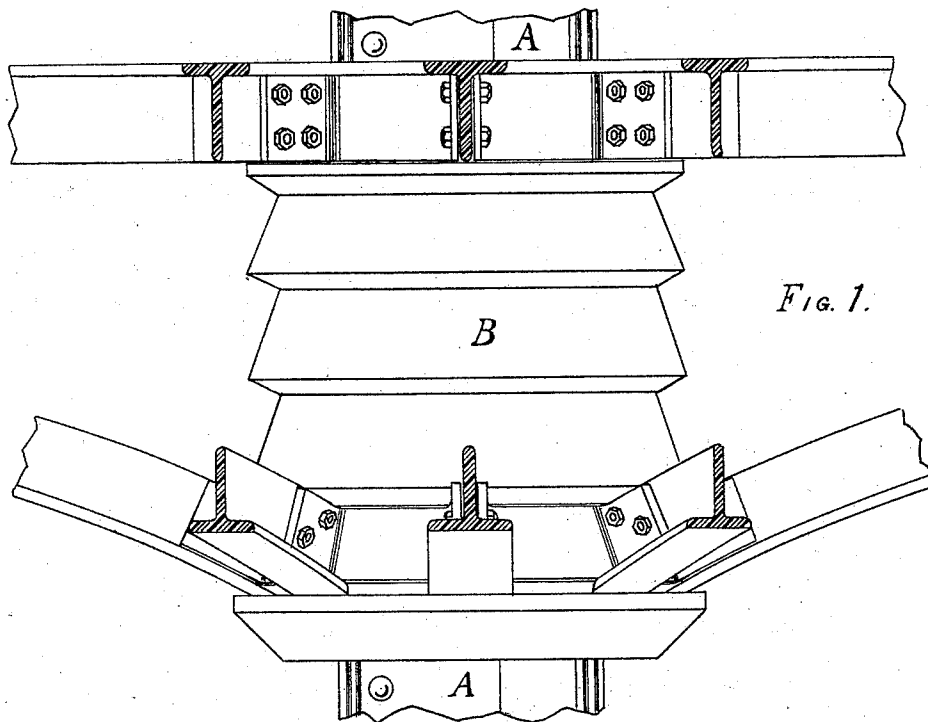


Fig. 1.

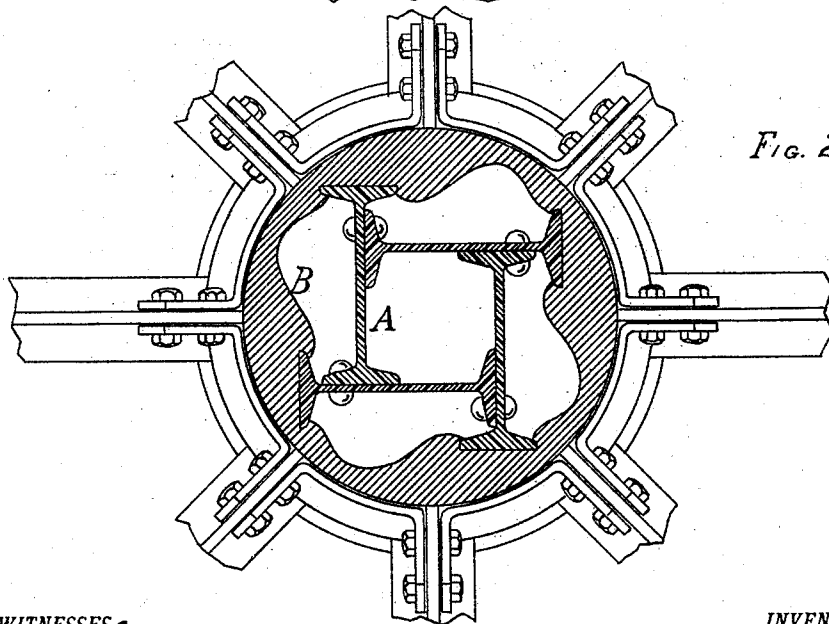


Fig. 2.

WITNESSES
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COLUMN.

SPECIFICATION forming part of Letters Patent No. 498,860, dated June 6, 1893.

Application filed April 25, 1893. Serial No. 471,744. (No model.)

To all whom it may concern:

Be it known that I, NIELS POULSON, a citizen of the United States, residing at Fort Hamilton, in the county of Kings and State
5 of New York, have invented a new and useful Column, of which the following is a specification.

Wrought iron or steel columns are now provided with flanges and brackets, riveted
10 or bolted on them, to form supports and connections for the girders and beams or other structural means carried by the column. These connections are not quite satisfactory, for the practical obstacles in their application
15 prevent in almost all cases their attainment as true bearings, and they are moreover comparatively expensive.

My improvement consists in providing such wrought iron or steel columns with a cast-on
20 head of a form suitable for the reception of whatever structural parts are to be attached and supported.

In the annexed drawings Figure 1 shows an elevation of a wrought iron or steel column with a cast-on head. Fig. 2 shows a
25 transverse section of the same.

The same letters of reference are used in both figures in the designation of identical parts.

A refers to the wrought iron or steel column, and B to the cast sleeve or head. This head is cast on, the column partly covered with sand and partly bare lying in the mold as a core when the metal for the head is poured in around it. In cooling the cast-on
30 head shrinks upon the column and becomes immovably fixed upon it. The form of the cast-on head is determined by the form of the parts it is to receive.

The head illustrated is adapted to the reception of the iron arches and ties and cement work of a vaulted fireproof floor of my invention. I do not limit myself to any special form of head. In case of long columns that carry loads at two or more points, for instance in columns made of a single shaft long
40 enough to extend through say two stories or more of a building, the requisite number of heads will be cast on.

I claim as my invention—

A wrought iron or steel column having a cast-on head, substantially as hereinbefore set forth.

NIELS POULSON.

Witnesses:

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