

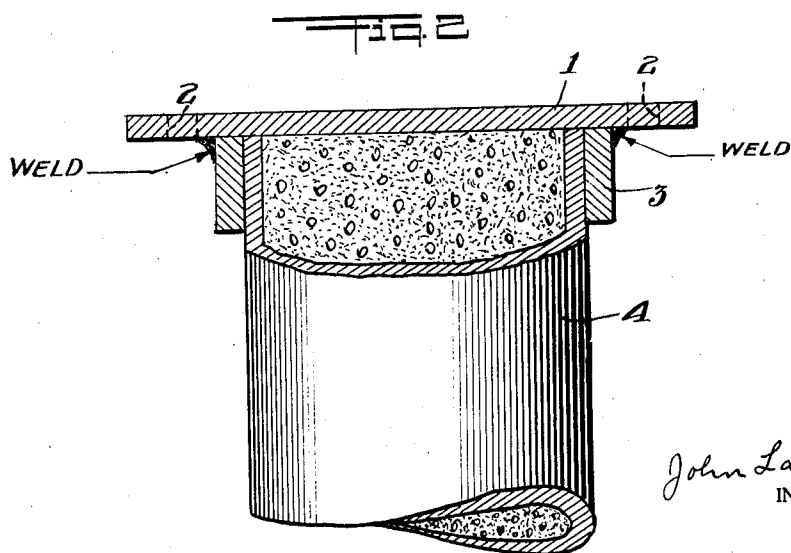
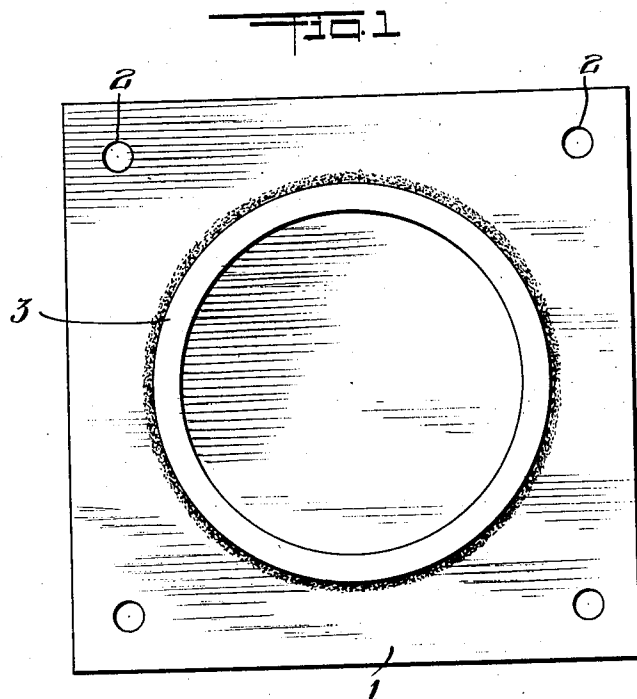
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1,547,175

J. LALLY

STEEL CAP FOR COLUMNS

Filed June 12, 1924



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UNITED STATES PATENT OFFICE.

JOHN LALLY, OF GREAT NECK, NEW YORK.

STEEL CAP FOR COLUMNS.

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To all whom it may concern:

Be it known that I, JOHN LALLY, a citizen of the United States, residing at Great Neck, in the county of Nassau and State of New York, have invented certain new and useful Improvements in Steel Caps for Columns, of which the following is a specification.

My invention relates to steel caps for building columns and it is my object to produce an all steel cap of light weight to replace the heavier, more expensive cast iron caps now in use and, at the same time, to increase the strength, reliability and load carrying capacity of the cap.

In the drawing Fig. 1 is a bottom view of my steel cap and Fig. 2 a side elevation thereof, in section, on a column.

To produce my improved cap a cap plate 1 is cut from a rolled steel plate and may be of any suitable size or shape. Bolt holes 2 are punched or drilled therein to receive the beam bolts.

A steel ring 3 is cut from a length of steel pipe or tubing and is welded to the cap plate

as indicated in the drawing, thus producing an all-steel cap which has all the advantages of the present cast-iron necked cap, with one-half the material and with more security because steel will not break as easily as cast-iron under the same conditions. Also my all-steel cap effects a saving of approximately 50% over the cost of a similar cast-iron cap of the same load capacity.

In use the cap is set on the end of a column 4 with the ring telescoping on the body and the top plate resting on the column end just as the old-style cast-iron cap was and the floor beams are laid on the cap plate and bolted in place.

I claim:—

An all-steel cap for building columns comprising a top plate adapted to rest on a column end and a ring adapted to telescope on a column body, the plate and ring being welded together.

In testimony whereof I have affixed my signature.

JOHN LALLY.