

(Model.)

G. MEISENBACH, Jr.  
STAIR ROD.

No. 428,505.

Patented May 20, 1890.

Fig. 1-

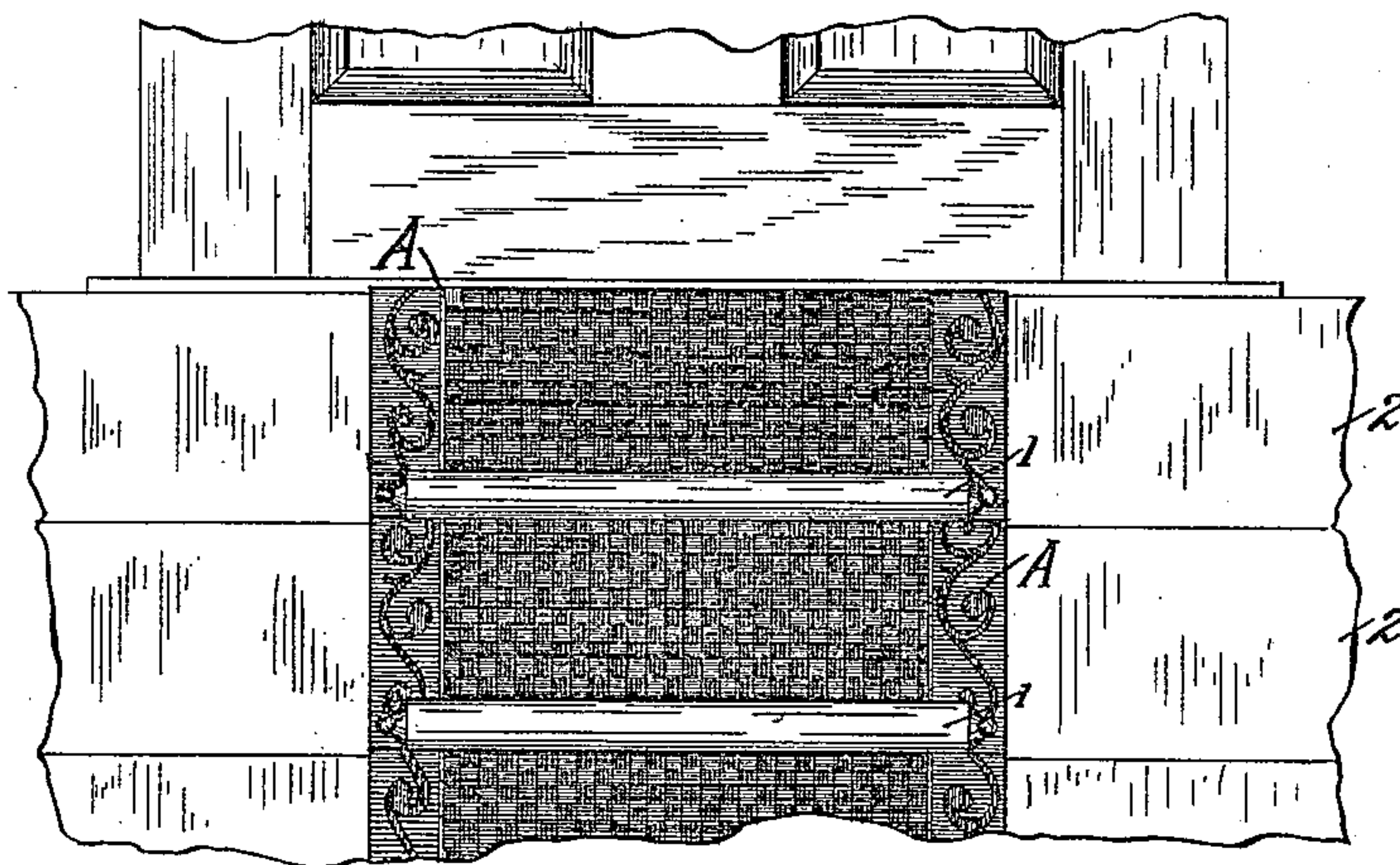


Fig. 2-

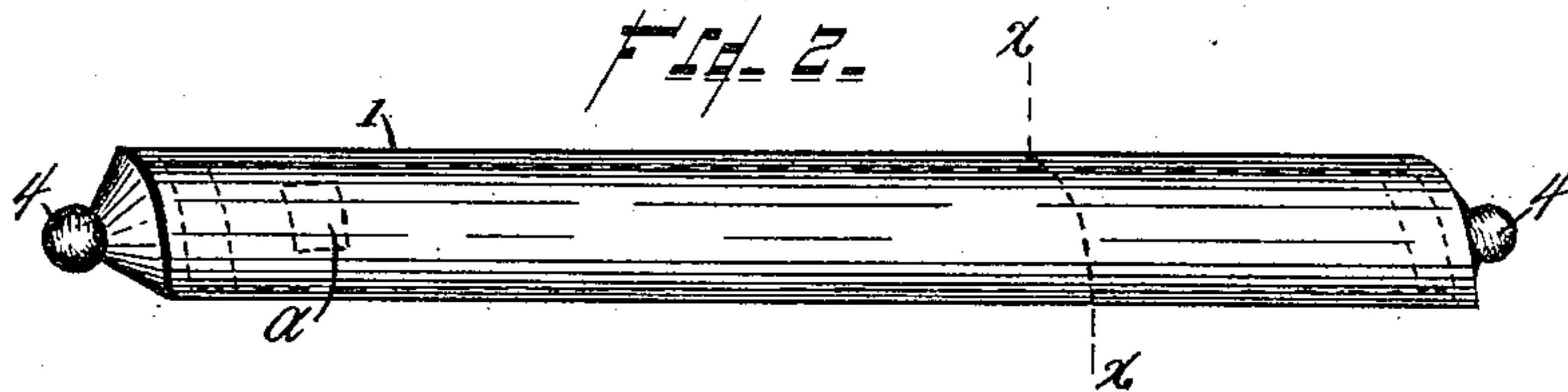


Fig. 3-

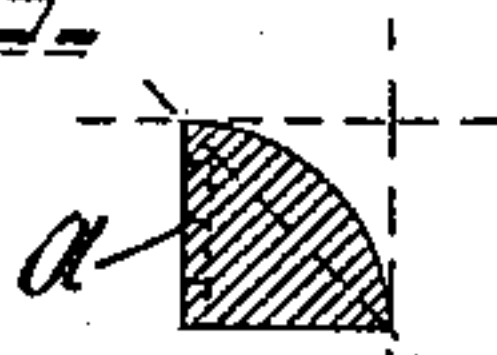
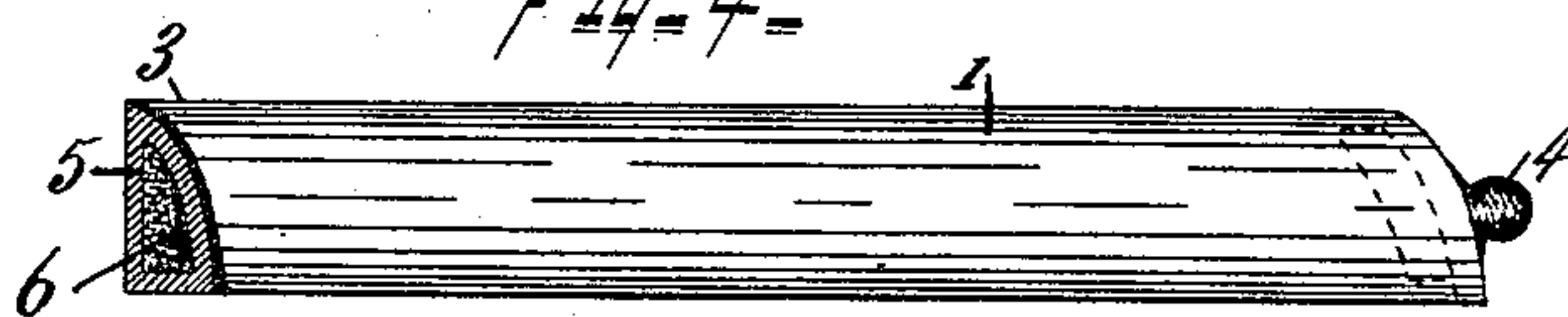


Fig. 4-



WITNESSES:

*Ed. J. [Signature]*  
E. C. Hodgdon

INVENTOR

*Gustave Meisenbach Jr.*  
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HIS ATTORNEYS.

# UNITED STATES PATENT OFFICE.

GUSTAVE MEISENBACH, JR., OF ST. LOUIS, MISSOURI.

## STAIR-ROD.

SPECIFICATION forming part of Letters Patent No. 428,505, dated May 20, 1890.

Application filed March 5, 1890. Serial No. 342,747. (Model.)

*To all whom it may concern:*

Be it known that I, GUSTAVE MEISENBACH, Jr., of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Ornamental Carpet-Weights for Stone Steps, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to an improvement in loose removable gravity-weights used in holding carpets in place upon stone steps, where the ordinary "stair-rods" would be of no avail; and it consists in the novel construction and arrangement of a weight hereinafter specified, and pointed out in the claims.

In the drawings, Figure 1 is a front elevation showing my improved holder or weight applied to stone steps. Fig. 2 is a perspective view of a weight. Fig. 3 is a transverse section on line  $x x$  of Fig. 2; and Fig. 4 is a broken view of a modified form, showing the weight composed of a hollow ornamental exterior shell and a filling of a heavier material.

Heretofore in laying carpets upon stone steps various crude devices—such as "brickbats," shells of the sea, &c.—have been employed for the purpose, as it was clear that stair-rods and securers of ordinary construction would not apply to steps of stone or iron.

The object of my invention is to obviate all such difficulties and provide a gravity weight or holder of ornamental exterior appearance, which shall be small in comparison to its weight, and adapted to prevent carpets placed on stone steps from blowing away, by means of the weight of the carpet-weight itself, as will be hereinafter more fully described.

1 represents the weight, having the appearance of a longitudinally-extended figure that is preferably quadrangular in cross-section and adapted to retain the carpet A in place upon steps 2 solely by the weight of itself. The cross-section of the weight may be varied so as to present a triangle, or it may comprise a true rectangular figure, as indicated by dotted lines in Fig. 3.

3 is the exterior shell of the weight, which is made of such size, both in cross-section and in length, as will afford a surplusage of gravity for the purpose of holding carpet A securely in place without the aid of fastenings of any kind.

In case I wish to construct a weight having a small exterior contour, I make the shell 3 hollow, either by casting or by constructing it of sheet metal, and then pour in through a suitable opening, as  $a$ , left in the casting or provided in the sheet-metal shell, a proper quantity of material—such as fused lead—which is heavier than the metal of which said shell is composed. This permits a small weight to answer the purpose of a larger one constructed of ordinary cast-iron, which is the material I make use of in constructing solid weights.

5 indicates the cavity within the shell, and 6 the filling of weightier material.

4 indicates ornamental ends of the weight, which may be of any suitable pleasing design, or which may be in the form of shouldered plugs adapted to fit in the hollow ends of the weight, as shown by dotted lines in Fig. 2.

A carpet-weight thus constructed presents an ornamental appearance when contrasted with the usual covered brickbats heretofore employed. Lying close against the risers of the steps it offers no obstacle to the toes in ascending the steps, obviating all possibility of a person stumbling and falling.

It is very useful, simple, cheap to manufacture, and accomplishes its purpose in a very satisfactory manner, as actual use for several months has demonstrated.

It is contradistinguished from a stair-rod or fastener by the fact that no fastenings—such as staples or other devices—having pointed or chisel extremities are required, it holding the carpet in place solely by its own weight, which is, as heretofore described, sufficient for all purposes. It is loosely and removably located on the carpet adjacent to the risers of the stone steps.

What I claim is—

As an improved article of manufacture, the



gravity-weight for securing carpets upon  
stone steps, comprising a hollow body or con-  
structed to lie closely adjacent to the risers  
of the steps, an opening in said body, the  
5 plug for closing said opening, the ornamental  
ends at each end of said body, and the filling  
of a heavier material than said hollow body  
and adapted to be introduced through said

opening and completely occupy the vacant  
space therein, substantially as described. 10

In testimony whereof I affix my signature  
in presence of two witnesses.

GUSTAVE MEISENBACH, JR.

Witnesses:

JNO. C. HIGDON,

E. E. HIGDON.