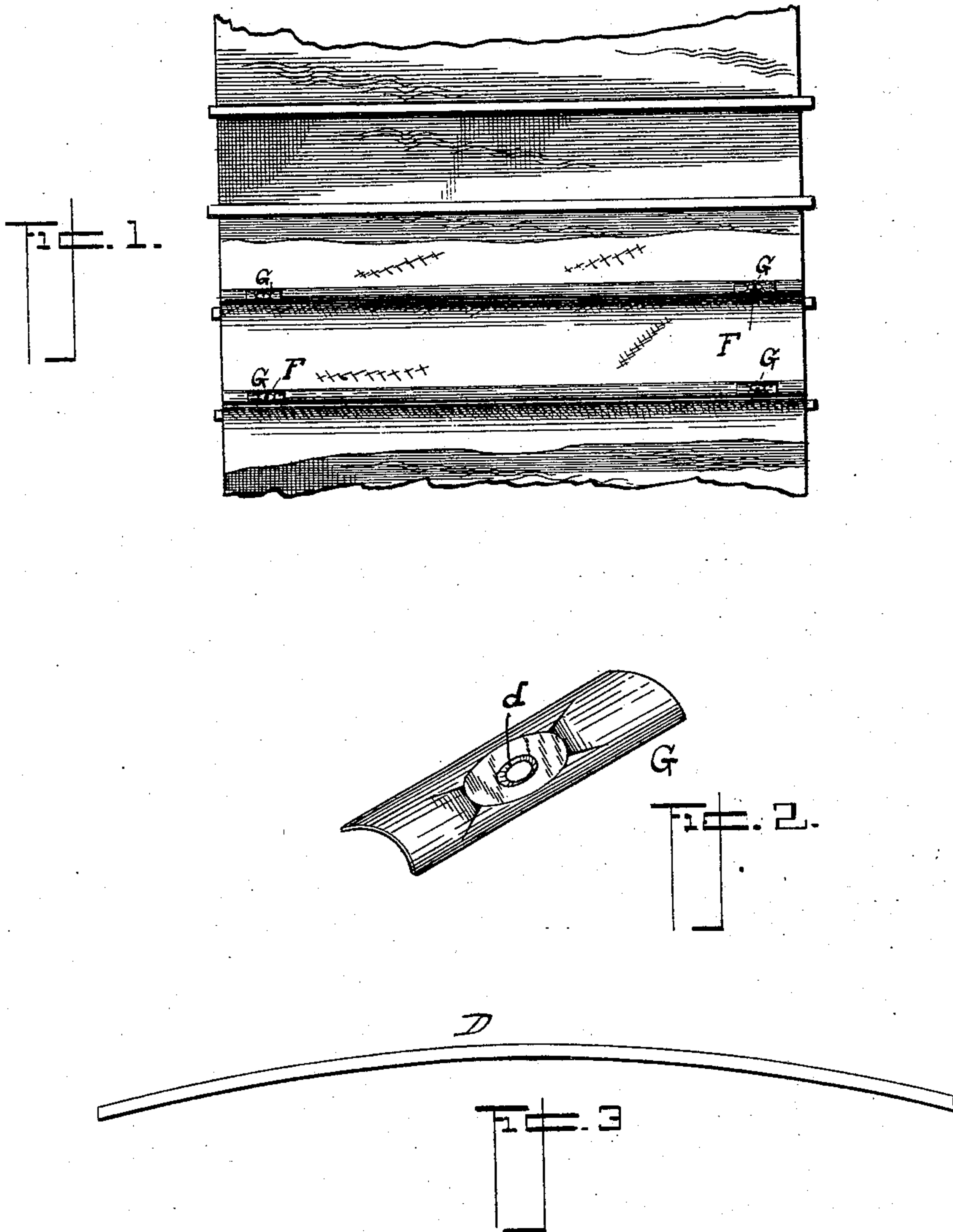


(No Model.)

T. H. SPURRIER.
STAIR CARPET FASTENER.

No. 478,028.

Patented June 28, 1892.



Witnesses:-
W. Johnson
C. H. Davies.

Inventor
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UNITED STATES PATENT OFFICE.

THOMAS H. SPURRIER, OF PHILADELPHIA, PENNSYLVANIA.

STAIR-CARPET FASTENER.

SPECIFICATION forming part of Letters Patent No. 478,028, dated June 28, 1892.

Application filed October 8, 1891. Serial No. 408,128. (No model.)

To all whom it may concern:

Be it known that I, THOMAS H. SPURRIER, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Stair-Carpet Fasteners; and I do hereby 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.

My invention relates to certain improvements in stair-carpet fasteners; and it consists in the employment of a rod and a peculiarly-shaped fastener and strengthening-cap, and means for securing the same to a riser of a stairway, as will be more fully hereinafter described in the specification, and specifically set out in the claim.

The objects of the invention are, first, to prevent the carpet from becoming displaced by effecting a much greater bearing-pressure at two or more points; second, to strengthen the rod at the point where it is weakened by the perforation made to receive the securing means; third, to prevent the ends of the rod from springing outward by effecting an inward pressure upon the rod near the end beyond the point of fastening, and, fourth, to effect a bearing between the two points of fastening by means of the curved rod. These objects are attained by means of the device illustrated in the accompanying drawings, in which—

Figure 1 represents a front elevation of a portion of a stairway, showing my improved device applied for securing the carpet thereon; Fig. 2, a perspective view of the fastener and strengthening-cap; Fig. 3, a view of the curved or bent rod.

Referring to the drawings, the letter A indicates the step, and B the riser, of a stairway, and C the carpet arranged thereon.

D indicates the stair-rod, which may be of any suitable material, half-round in cross-section, and slightly curved or bent longitudinally. The rod is provided a short distance from its ends with a perforation *d* to receive a securing-screw F.

G indicates the fastener and strengthening-cap, made of any suitable material and ornamented in any desirable manner. It is preferably oblong in shape and concaved to conform to the contour of the stair-rod. It is slightly thicker at the center, where it is

countersunk and perforated to receive the screw F. The said fastener is made, preferably, about two inches in length, so that a bearing-pressure will be exerted about an inch on each side of the perforation in the rod.

When the carpet is in place, the rod is secured to the riser at the angle formed by the step and riser. Owing to the curved or bent feature of the rod, an especial bearing is effected at the center midway between the points of fastening, which tends to hold the carpet against ordinary efforts of displacement at that point, and prevents the unsightly "bagging" appearance of the carpet, which is due to the action of the foot in ascending and descending the stairs. The fastener, conforming snugly to the face of the rod, serves the double purpose of strengthening the rod at the point weakened by the making of the perforation and producing a greater bearing-surface, not only at the points of fastening to the riser but beyond on each side thereof. The outer end of the said fastener, extending as it does to within about an inch of the end of the rod, also serves to prevent the end of the rod from springing outward, as is often the case where the bearing-pressure is very great. This bearing-pressure extends along the entire length of the rod, but is much greater at the two ends and the center thereof. The carpet is caused to be pressed firmly and smoothly against the riser and step, and there held. The device is simple and inexpensive to construct and most effective in use. It is easily and quickly applied and as readily removed when desired.

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

The herein-described stair-carpet fastener, comprising a normally-curved rod, but capable of being bent to lie flat against the carpet, strengthening-caps concaved to conform to the outer face of the rod and arranged at each end of the same, and screws to secure said rod, substantially as specified.

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

THOMAS H. SPURRIER.

Witnesses:

M. I. WELLER,
JOHN CURRAN.