

No. 668,101.

Patented Feb. 12, 1901.

J. J. HINDE.

STAIR PAD.

(Application filed May 14, 1900.)

(No Model.)

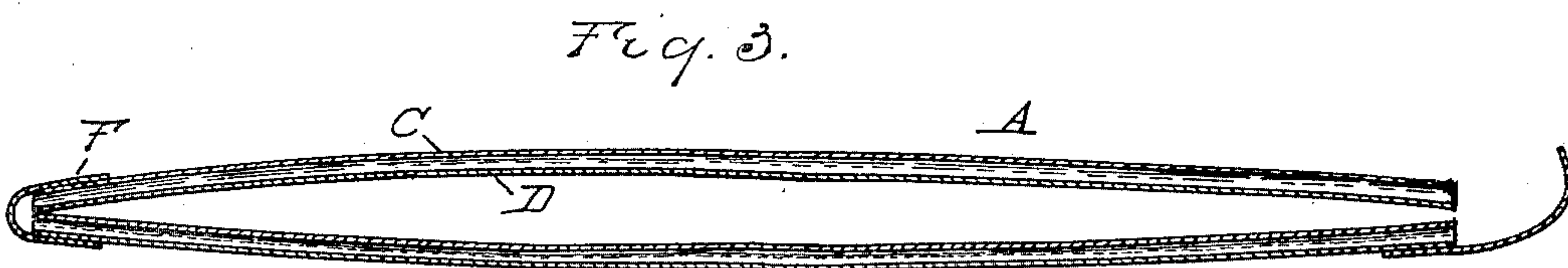
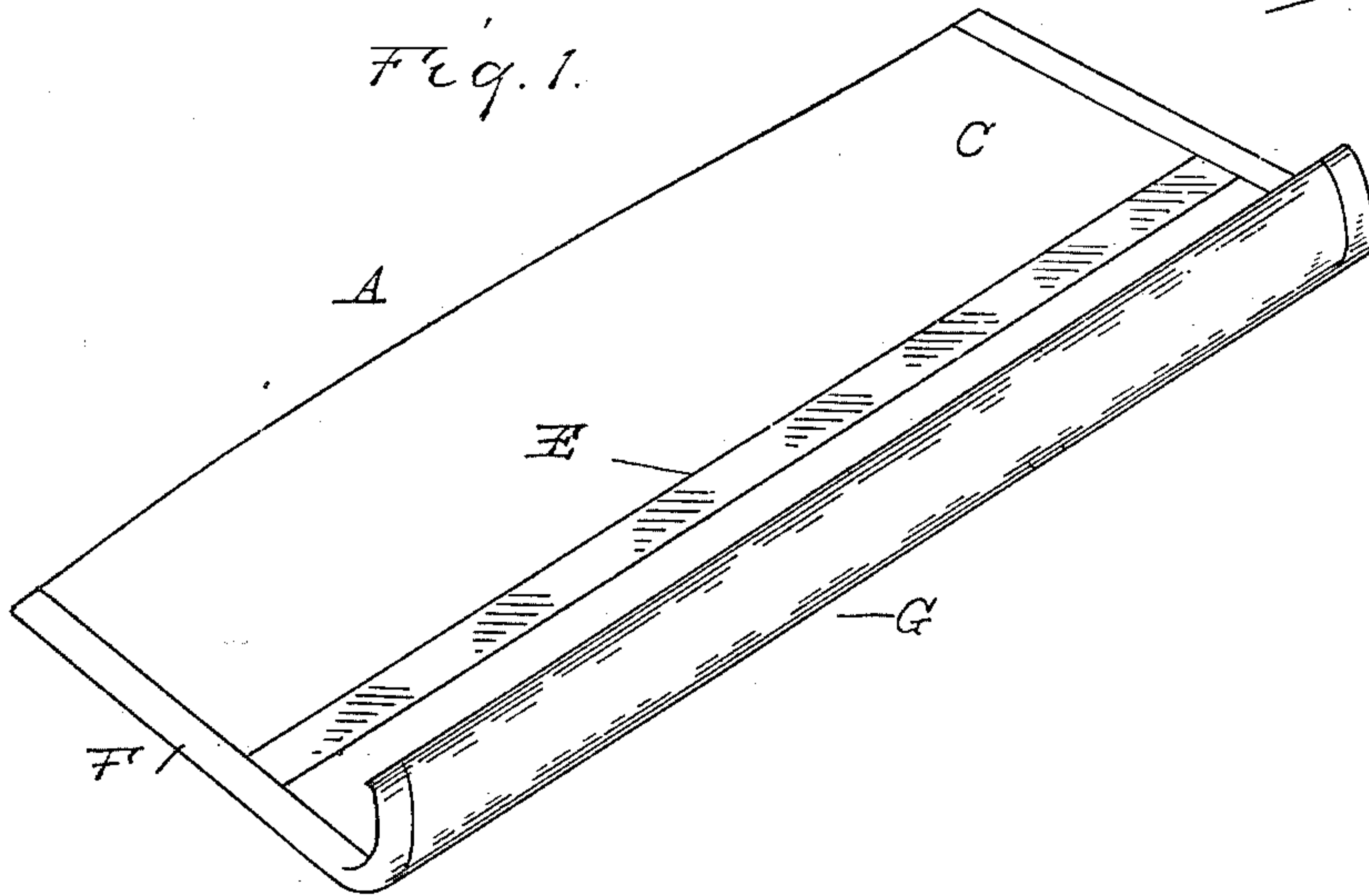
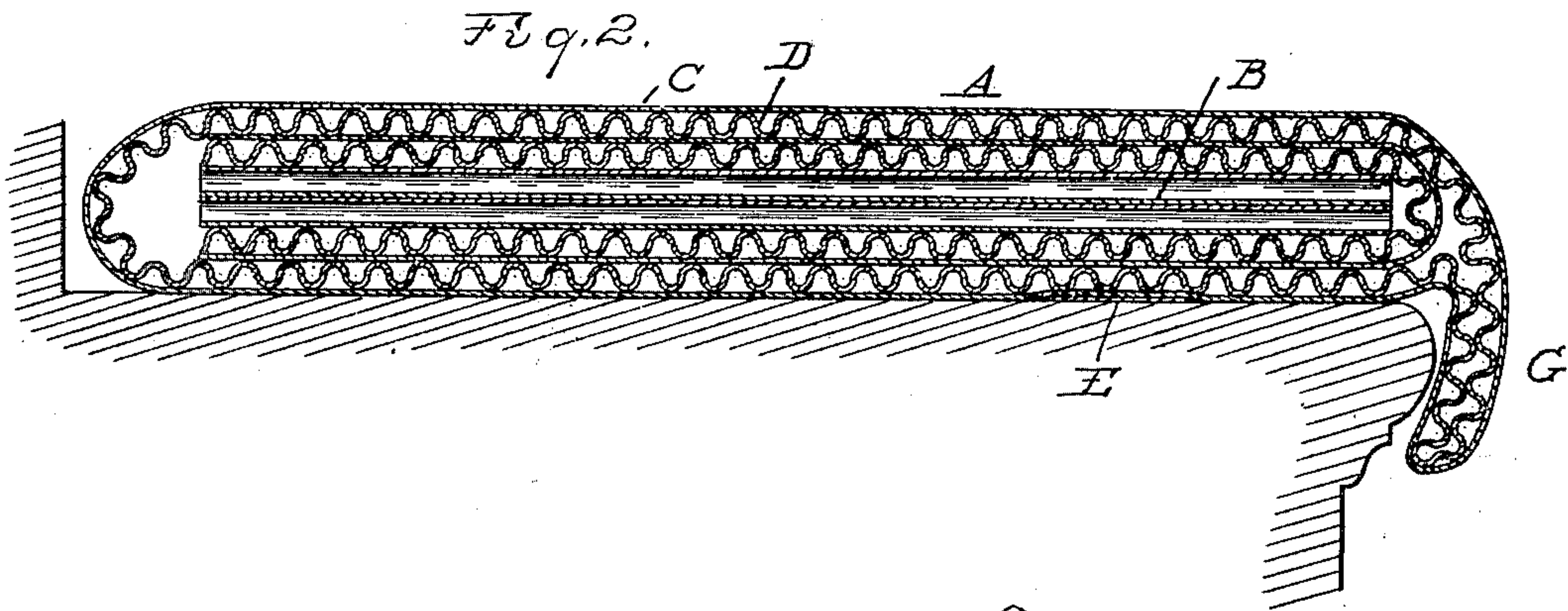
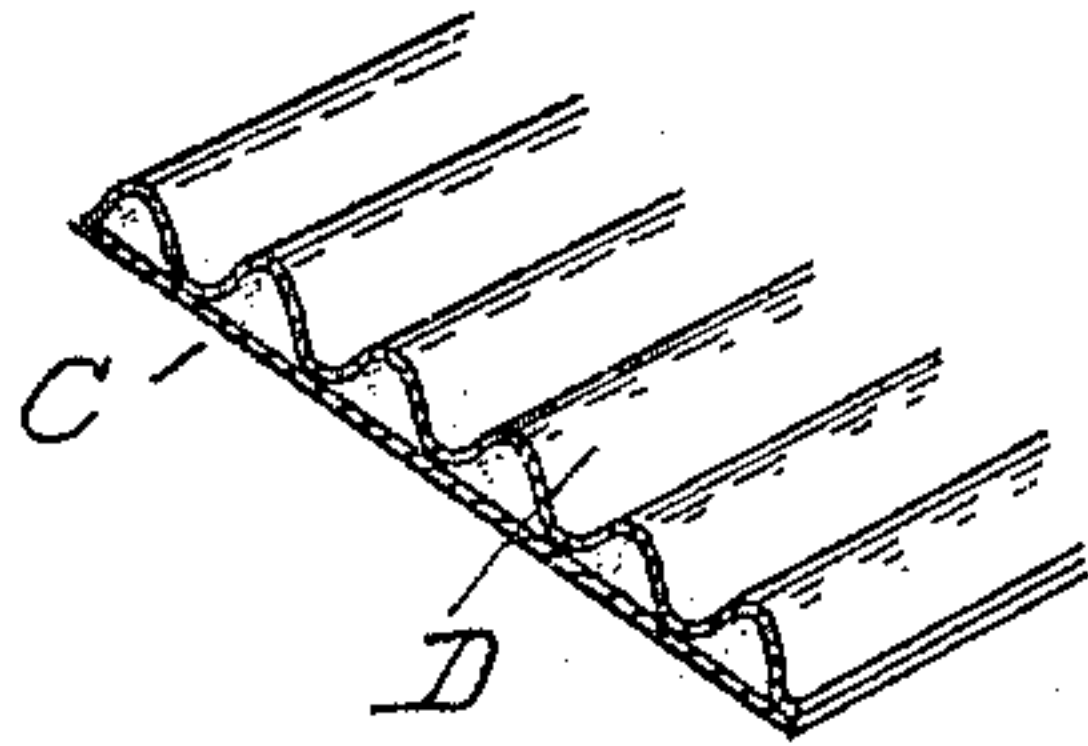


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES J. HINDE, OF SANDUSKY, OHIO.

STAIR-PAD.

SPECIFICATION forming part of Letters Patent No. 668,101, dated February 12, 1901.

Application filed May 14, 1900. Serial No. 16,661. (No model.)

To all whom it may concern:

Be it known that I, JAMES J. HINDE, a citizen of the United States, residing at Sandusky, in the county of Erie and State of Ohio, have invented certain new and useful Improvements in Stair-Pads, of which the following is a specification, reference being had therein to the accompanying drawings.

The object of the present invention is to produce a stair-pad that may be cheaply manufactured and which will be of such peculiar construction that the liability of the pad becoming lumpy, hard, and matted, due to the wear will be reduced to a minimum.

With this object in view my invention consists in the peculiar formation of a stair-pad, as will be more fully hereinafter described, and shown in the drawings, in which—

Figure 1 is a perspective view thereof. Fig. 2 is a vertical central section through the pad and the stair, showing the manner of arrangement of the pad when in use. Fig. 3 is a longitudinal section through the pad-envelop, and Fig. 4 is a sectional perspective view of the material from which the pad is formed.

In construction the pad comprises, essentially, two parts—an envelop A, formed of strawboard, and a filling B, which is preferably of the same material. The strawboard referred to is preferably of that type known to the trade as “single-faced” corrugated strawboard, consisting of a plain layer or facing C and a corrugated layer D, as plainly shown in Fig. 4. In forming the envelop a sheet of the material described is folded upon itself and the meeting edges secured together by means of a strip of material E, the strip being pasted to the strawboard in the manner indicated in Figs. 1 and 2. An oblong envelop is thus formed, the ends of which are sealed by strips of material F, which are pasted over the ends, as shown.

In the formation of the envelop the folding of the material is effected in such manner that the corrugations preferably, though not necessarily, extend lengthwise, and one end is left unsealed to permit of the insertion of the filling B, before referred to; also, the facing C constitutes the outer surface of the envelop, thereby providing a smooth exterior over which the carpet may be laid. The fill-

ing may be of any material which will be of a yielding nature, but I preferably form the same of corrugated strawboard, as shown. A multiple of layers of this material is used, and the superimposed layers are so arranged that the corrugations of one will extend transversely to the corrugations of the next adjacent layer, as plainly indicated in Fig. 2. The filling thus described is of less width than that of the envelop, so that a portion of the latter at one of its sides may be bent over to form a hook or nose, such as G, the hook being adapted to grip and extend over the entire outer edge of the stair-tread. To form the hook thus referred to, the edge of the envelop, when the latter is in a moist condition, is bent into the desired shape and held in that position in any suitable manner until the strawboard dries. When dried, the turned edge will retain its curved shape and form a spring-hook, as desired.

From the description of my improved pad it will be readily seen that it may be easily manufactured and that by forming the same from the material described the cost of production will be slight; also, the corrugations in the material will give the necessary elasticity to the pad, making it soft and yielding, and the liability of the pad becoming matted and hardened will be reduced to a minimum.

It is to be understood that while I have shown the filling for the envelop as consisting of corrugated strawboard I do not desire to be limited to this, as other material could be used. The filling I have described, however, and shown I deem the preferable in use, and by arranging the layers so that the corrugations of one will be in angular relation with those of the next adjacent layer a greater amount of elasticity is obtained. Furthermore, while the corrugated strawboard of which the pad is formed is preferably provided with a facing the latter may be dispensed with, if desired, and merely the corrugated layer used. The use of the facing, however, is desirable, as the sheets of material are stronger and produce a more durable pad.

What I claim as my invention is—

1. A stair-pad comprising an envelop formed of single-faced corrugated strawboard, the facing thereof constituting the

outer surface of the envelop, and the latter
having one edge bent to form a spring-hook,
and a filling within the envelop consisting of
superimposed layers of corrugated straw-
5 board each extending from the hook to the
opposite edge.

2. A stair - pad, comprising an envelop
formed of single - faced corrugated straw-
board, the facing thereof constituting the
10 outer surface of the envelop, and the latter
having one edge bent to form a spring-hook,
and a filling within the envelop consisting of
a multiple of superimposed corrugated layers
of strawboard, the corrugations in each layer

extending transversely of the corrugations in 15
the next adjoining layer, substantially as de-
scribed.

3. A stair - pad comprising an envelop
formed of single - faced corrugated straw-
board, the facing thereof constituting the 20
outer surface of the envelop and an elastic
filling within said envelop.

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

JAMES J. HINDE.

Witnesses:

JACOB J. DAUCH,
ESTHER J. TARRELL.