

No. 778,239.

PATENTED DEC. 27, 1904.

H. S. HALE.
SEAT CUSHION.

APPLICATION FILED MAY 27, 1904.

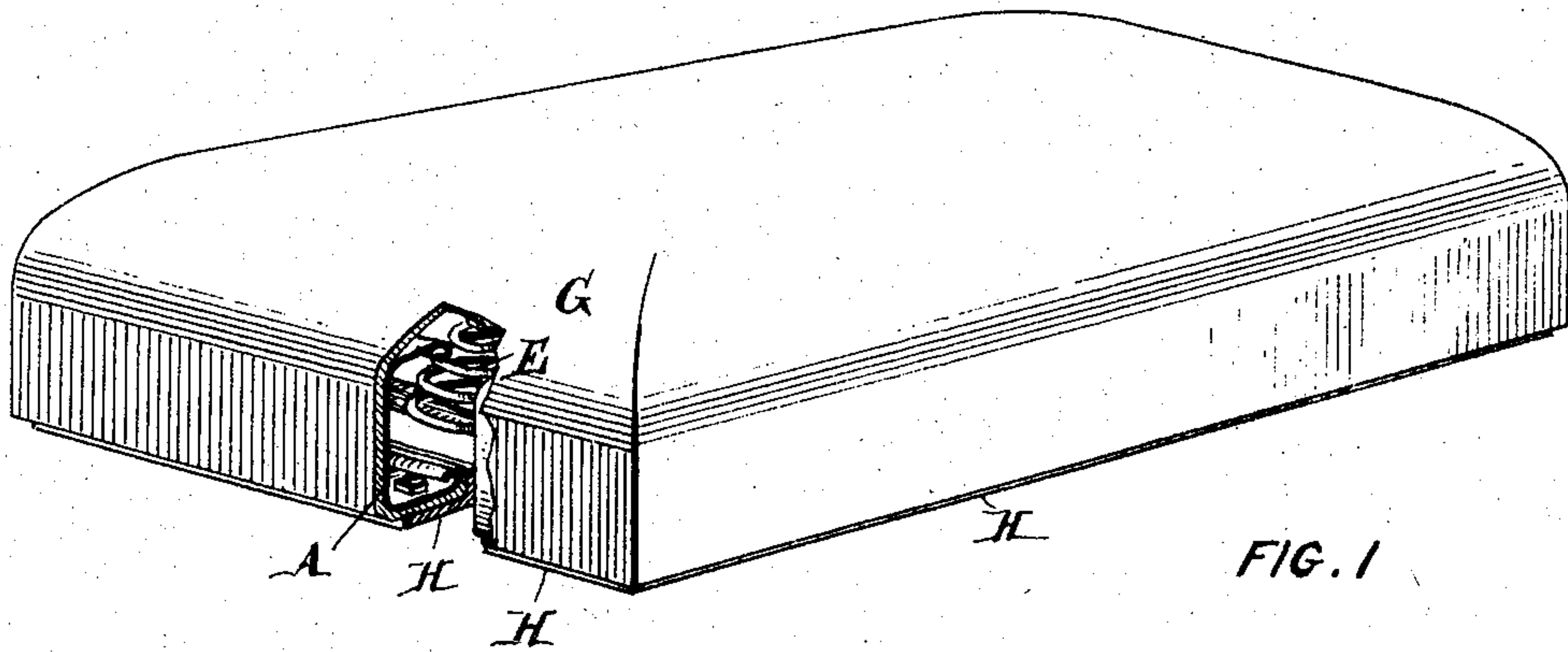


FIG. 1

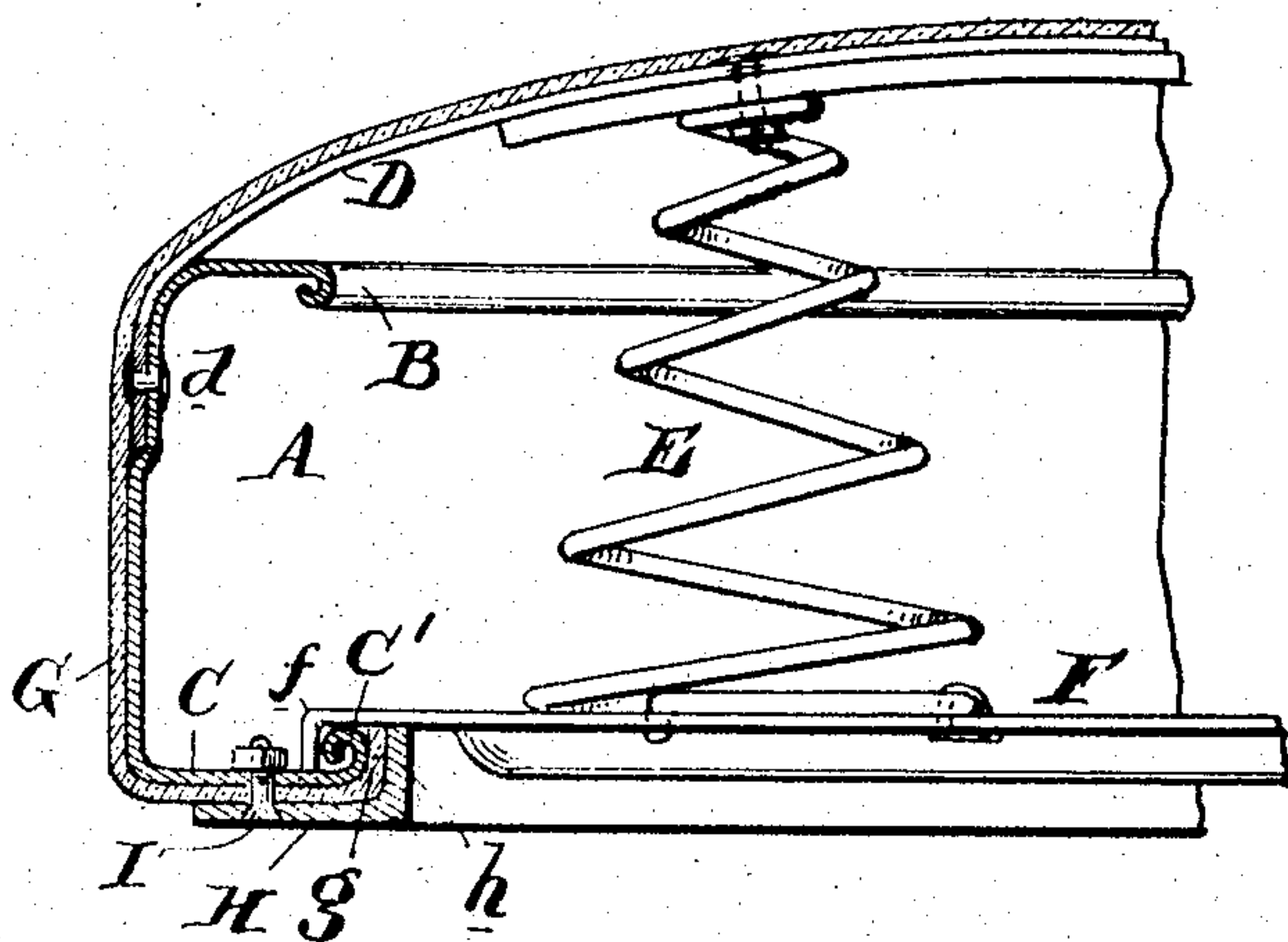


FIG. 2 .

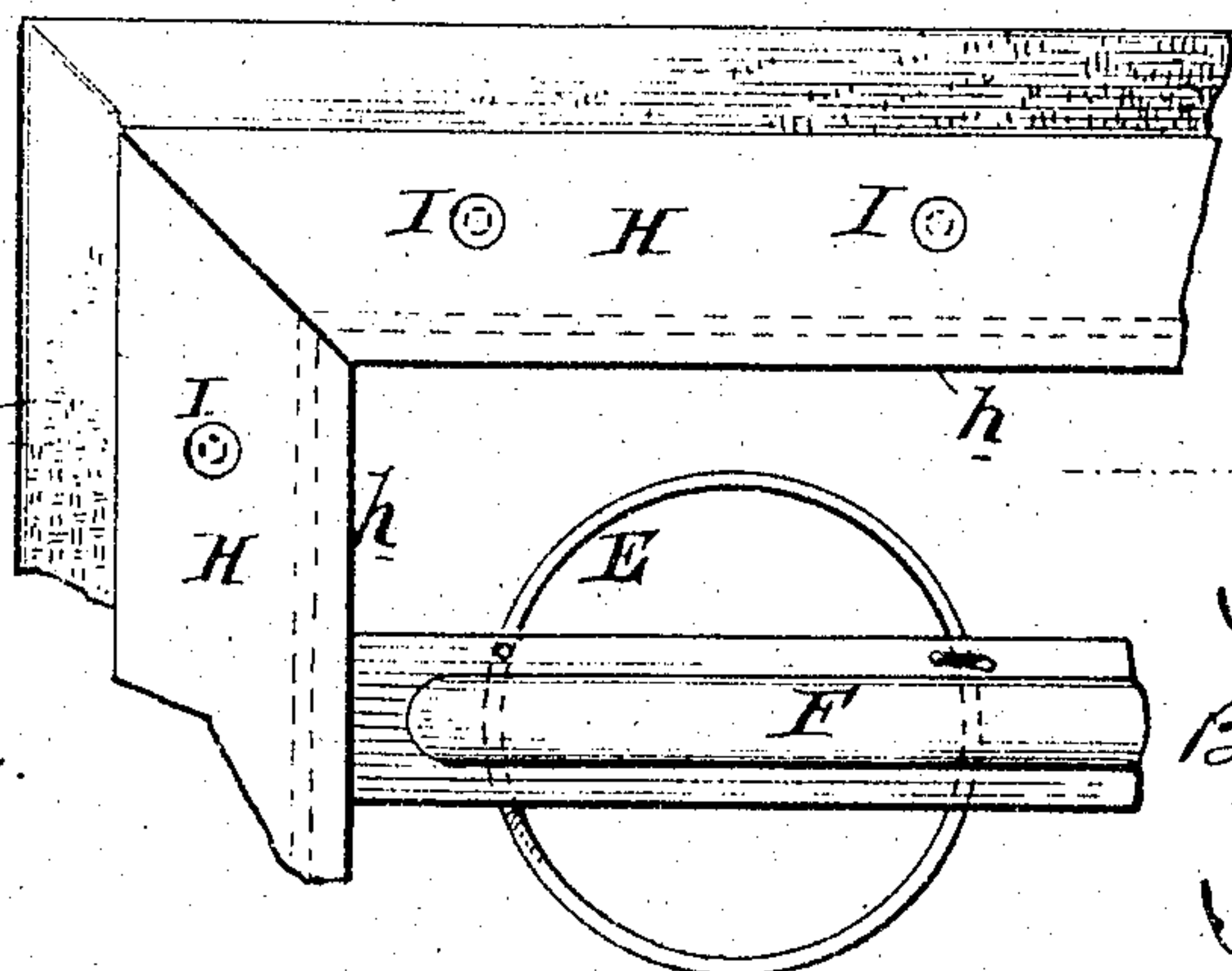


FIG. 3

Attest
P. M. Kelly
M. J. Elyer.

Inventor
Henry S. Hale
By his atty
[Signature]

UNITED STATES PATENT OFFICE.

HENRY S. HALE, OF PHILADELPHIA, PENNSYLVANIA.

SEAT-CUSHION.

SPECIFICATION forming part of Letters Patent No. 778,239, dated December 27, 1904.

Application filed May 27, 1904. Serial No. 210,034.

To all whom it may concern:

Be it known that I, HENRY S. HALE, of the city and county of Philadelphia and State of Pennsylvania, have invented an Improvement
5 in Seat-Cushions, of which the following is a specification.

My invention has reference to seat-cushions; and it consists of certain improvements which are fully set forth in the following specification and shown in the accompanying drawings, which form a part thereof.
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The object of my invention is to provide a convenient and inexpensive means for securing the upholstery upon sheet-metal box-frames of seat-cushions.
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In carrying out my invention I provide the lower or back flanges of the box-frame with clamping angle-strips, between which and the flange the edge of the upholstery is clamped.
20 The upholstery is stretched over the box-frame and bent under the flange and around its free edge, and it is clamped at this latter place by the angle-strips, which are drawn tightly into place by bolts, as will be better understood by reference to the drawings, in which—
25

Figure 1 is a perspective view of a seat-cushion embodying my invention with a portion broken away to show the internal structure. Fig. 2 is a cross-section of a portion of
30 same on line 2 2 of Fig. 3, and Fig. 3 is an inverted plan view of a portion of the seat-cushion.

A is the box-frame, of sheet metal, and has the upper flange B and the lower flange C, which may be bent up or beaded on its edge,
35 as at C'.

D is one of the flat steel spring-bands which support the upholstery and is riveted at its ends to the upper portion of the box-frame A
40 at d.

F is one of the sheet-metal slats and is ribbed, as shown, for strength. The ends of these slats are bent downward and rest upon the upper surface of the lower flange and may
45 be riveted to it. Coil-springs E are supported upon the slats F and sustain the spring-plates D.

The upholstery G is stretched over the seat and bent under the lower flange C of the box-
50 frame, and the lower edge is turned up, as at

g, against the edge of the flange. The upholstery is preferably of woven ratan and in a moistened condition when being applied. The edges of the ratan or other upholstery are then clamped in position by the angle
55 plates or strips H, which are drawn up tightly into position by the bolts I. The short arms h of these angle-plates extend upward and hold the edge g of the upholstery in the position shown, and when it dries it will be found
60 to be most rigidly secured in place. The extended flat surfaces of the plates or strips H give protection to the under part of the upholstery and prevent injury thereto.

The bend g in the upholstery may be omitted,
65 if desired, and the edge will in this case be shielded by the upwardly-extending part h of the clamping-plate H, and said upwardly-extending part will also prevent the clamping-plate from shifting its position laterally and
70 outward.

While I prefer the construction shown, I do not confine myself to the exact details, as these may be modified in various ways without departing from the spirit of the invention.
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Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a seat-cushion, the combination of a
80 box-frame having lower flanges, with upholstery extending over the box-frame and having its edges folded under the flanges and upward against the inner edges thereof, clamping-plates L-shaped in cross-section fitted
85 against the under side of the upholstery and clamping it against the under surface and inner edges of the flanges of the box-frame, and clamping-bolts for clamping said clamping-plates in position.

2. In a seat-cushion, the combination of a
90 sheet-metal box-frame having upper flanges and lower flanges the lower being beaded upon their inner edges, spring-plates secured to the box-frame and extending over its upper portion, cross-slats extending across the
95 lower part of the box-frame, springs supported upon said slats and sustaining the spring-plates, upholstery extending over the box-frame and springs and having its edges folded under the flanges and upward against the
100

inner edges thereof, clamping-plates L-shaped in cross-section fitted against the under side of the upholstery and clamping it against the under surface and inner edges of the flanges of the box-frame, and clamping-bolts for clamping the said clamping-plates in position.

3. In a seat-cushion, the combination of a sheet-metal box-frame having upper and lower flanges, spring structures supported upon the lower flanges of the box-frame, upholstery extending over the spring structures and upper flanges and having its edges folded under the lower flanges of the box-frame, clamping-plates secured to the under side of the box-frame and upon the upholstery to clamp it and having a projecting part *h* extending upward adjacent to the inner edge of the lower flange, and clamping devices extending through the clamping-plates upholstery and flange of the box-frame for securing the clamping-plates in position.

4. In a seat-cushion, the combination of a box-frame having flat under surfaces and spring structures supported by the box-frame, upholstery extending over the spring structures and having its lower edges folded under

the lower parts of the box-frame and extending in a flat condition upon the same, clamping-plates of L shape in cross-section resting upon the upholstery and having one part extending upward within the lower portion of the box-frame adjacent to the under surface thereof, and means extending through the clamping-plate and upholstery for clamping them to the box-frame.

5. In a seat-cushion, the combination of a sheet-metal box-frame having a lower flange C curved into a rounded edge C', upholstery extending over the box-frame and having its edges folded under the flange C and upward against the rounded edge C', and a clamping-plate extending over the upholstery below the flange and upward adjacent to the rounded edge C' to clamp and shield the edge of the upholstery.

In testimony of which invention I hereunto set my hand.

HENRY S. HALE.

Witnesses:

R. M. KELLY,
M. J. EYRE.