

F. H. HAMPTON.
CUSHION EDGE SUPPORT.
APPLICATION FILED DEC. 23, 1907.

935,844.

Patented Oct. 5, 1909.

Fig. 1.

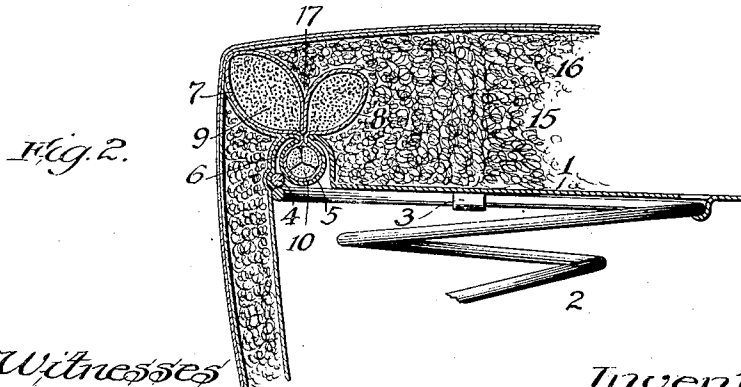
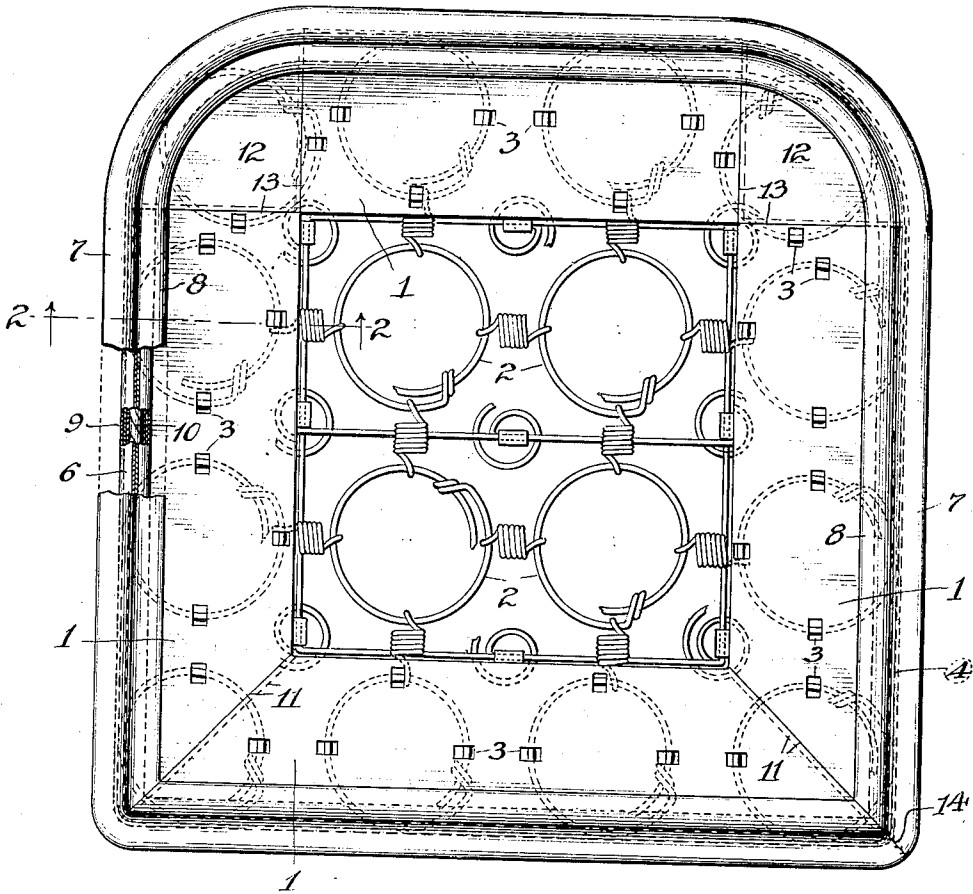


Fig. 2.

Witnesses
Harry R. L. White
Ray White.

Inventor
Frank H. Hampton,
By Sumner & Sumner
Attys

UNITED STATES PATENT OFFICE.

FRANK H. HAMPTON, OF PULLMAN, ILLINOIS, ASSIGNOR TO JACKSON CUSHION EDGE COMPANY, OF JACKSON, MICHIGAN.

CUSHION-EDGE SUPPORT.

935,844.

Specification of Letters Patent.

Patented Oct. 5, 1909.

Application filed December 23, 1907. Serial No. 407,826.

To all whom it may concern:

Be it known that I, FRANK H. HAMPTON, a citizen of the United States of America, and a resident of Pullman, county of Cook, State of Illinois, have invented certain new and useful Improvements in Cushion-Edge Supports, of which the following is a specification.

The main objects of this invention are to provide an improved construction for the edges of seat cushions; to provide an improved form of cushion-edge supporting pad which can be mounted upon cushion springs at smaller labor cost than present or older constructions for this purpose; and to provide improved means for preventing the padding of a cushion from becoming displaced near the edges thereof.

The invention is specially adapted for use in spring-supported seat cushions such as railway car seats and automobile seats.

These objects are accomplished by the device shown in the accompanying drawing, in which:

Figure 1 is a top plan of a cushion frame constructed according to this invention, the upholstery being removed and a part of the edge broken away; and Fig. 2 is an enlarged vertical section taken on a line corresponding to line 2—2 of Fig. 1, showing also a portion of the upholstery.

In the construction shown, the cushion frame 1 is mounted on a set of springs 2. Each side of the cushion frame comprises a sheet-metal holder having formed in its outer edge a groove which holds an elongated pad of material that is somewhat yielding but less so than the body of the filling of the cushion. Said pads are comparatively unyielding material and project above the plane of the strips 1, supporting the outer upper edges of the cushion.

The strips 1 which form the bases of the holders are secured to the top coils of the springs 2 by having tongues 3 struck down and bent around the springs. A border wire 4 is secured to the outer edges of said top coils. In the form shown, the bottom of the groove 5 of the holder is raised to about the same level as the base 1 so that it may rest upon the springs 2, and the top of the groove is contracted. The outer edge 6 of the sheet-

metal is turned down and fits against the border wire 4.

The upstanding pads 7 and 8 comprise a one piece casing 9 of tough material, such as canvas divided by longitudinal stitching into three tubular compartments. The two upper compartments are stuffed with padding material, preferably sawdust on account of its cheapness and the fact that it gives the desired stiffness to the pads. The lower compartment may be similarly stuffed but is preferably filled with a core of rope, said core, with its canvas covering, forming a continuous bead connected with the pads 7 and 8 by a web composed of said covering material.

The groove 5 of each holder-section 1 communicates with the corresponding grooves of the adjacent holder-sections, thereby forming a continuous groove around the frame. At square corners the sections 1 are connected end to end, preferably by overlapped miter joints 11, the dotted lines indicating the edges of the lower thickness. If the cushion is to have round corners, the sections 1 are connected by sector-shaped corner pieces 12 with lap-joints 13. All of the joints 11 and 13 may be soldered or otherwise secured.

The bead 10 is preferably drawn through the grooves 5 of the several holder-sections after they are assembled, the grooves being formed with a contracted mouth so as to retain the bead securely within. The bead with its pads 7 and 8 is cut to such length that its ends will meet at some point, as (Fig. 1). They may be sewed together at this point. The pads now extend continuously around the frame.

The outside pad 7 is desirably made larger in cross-section than the inner pad 8 so as to stand higher, as shown. In mounting the cushion, a sheet of fabric is laid over the springs 2 in the open space not covered by the plates 1, and the stuffing 15 of the cushion is laid thereon, being packed beneath and above the overhanging pad 8 and against the upturned parts of the holders and the pad 7. Said stuffing is covered with a sheet of strong fabric 16 that extends down the sides of the spring space, and the plush or other outer covering material 17 is laid thereon.

The pad 7 provides a firm edge to the cushion, and when depressed is reinforced by the inner pad 8. The latter serves to hold the stuffing 15 from shifting away from the pad 7.

What I claim as my invention and desire to secure by Letters Patent, is:

1. A cushion-edge support comprising a frame having a groove extending around adjacent to its outer edge, said groove being enlarged in its interior and having a contracted mouth, and a cushion edge supporting pad extending along said groove and having thereon a bead fitting within said groove for retaining said pad.

2. A cushion-edge support comprising a frame having a groove extending around adjacent to its outer edge, and an edge pad seated in said groove, said pad having one part extending upwardly to provide a relatively stiff edge support for the cushion and having a second part extending inwardly between said first part and said frame and adapted to retain the stuffing of the cushion adjacent to said first part.

3. A cushion-edge support comprising a frame having a groove extending around adjacent to its outer edge, said groove being enlarged in its interior and having a contracted mouth, and a cushion edge supporting pad extending along said groove and having thereon a bead fitting within said groove for retaining said pad, said pad comprising two upstanding parts one adapted to provide a relatively firm edge for the cushion and the other adapted to retain padding material adjacent to the first.

4. A cushion-edge support comprising a sheet-metal holder provided with a groove along its outer edge, said groove being disposed below and extending along the edge of a cushion, and an upstanding pad having a part thereof retained by said groove and a part projecting above said groove, said pad being adapted to provide a firm edge for the cushion.

5. A cushion-support comprising a frame, and a pair of adjacent substantially parallel separately upstanding pads supported by and upon said frame, one of said pads being adapted to provide a firm edge for the cushion and the other being adapted to retain a quantity of stuffing material adjacent to said one pad.

6. A cushion-support comprising a frame, a pair of parallel, separately upstanding pads extending along one edge of said frame and adapted to support a quantity of loose stuffing material between them, the outer pad standing higher than the inner pad and being adapted to provide a firm edge for the cushion.

7. A cushion-edge support comprising a sheet-metal holder having a groove therein, said groove having a contracted mouth, and

an upstanding pad provided with a depending bead connected thereto by a web, said bead being held within said groove, said pad being adapted to provide a firm edge for the cushion.

8. A cushion-edge support comprising a sheet-metal holder having a groove therein, said groove having a contracted mouth, and a pair of upstanding pads provided with a depending bead connected thereto by a web, said bead being held within said groove, said pads being adapted to provide a firm edge for the cushion.

9. A cushion-support comprising a hollow frame composed of a plurality of sheet-metal holders, and a continuous upstanding pad supported by and upon said holders, said pad being provided with a continuous bead connected thereto by a web, said bead being held by grooves in said holders.

10. A cushion-support comprising a sheet-metal holder having an inwardly extending base, an outer and an inner pad supported by and upon said holder, a quantity of cushion stuffing laid loosely upon said base, said inner pad projecting upward and inward and serving to retain part of said stuffing against said outer pad, and said outer pad being adapted to provide a firm edge for the cushion.

11. A cushion-support comprising a set of springs, a hollow frame composed of sheet-metal sections laid on and secured to said springs, said sections being formed with abutting grooves forming a continuous groove, a continuous upstanding pad held in and projecting above and inward from said groove, and a cushion-stuffing partly supported by said sections and partly retained by said pad.

12. A cushion-edge support comprising a frame formed of sheet-metal and having a rounded corner, the metal of said frame being bent upon itself to form a groove extending along the edge of said frame and around said corner, said groove having a contracted mouth, and a flexible edge-supporting pad extending along the edge of said frame and having a bead fitted within said groove for detachably holding said pad in position.

13. A cushion-edge support comprising a frame formed of sheet-metal bent upon itself to form a contracted-mouthed groove extending along the edge of the frame, said frame having a rounded corner, and a flexible edge-supporting pad comprising two adjacent substantially parallel pad members extending along the edge of said frame and around said corner and provided with a bead fitting within said groove for securing said edge-supporting pad member to said frame.

14. A cushion-edge support comprising a suitable frame, two parallel pads the inner

one of which is adapted to retain a quantity of stuffing material adjacent to the outer one, said pads being provided with a bead having a contracted neck, and means engaging said bead for securing said pads upon said frame.

15. In a cushion-edge support, the combination of a frame having a groove extending along the edge thereof, said groove comprising an inner channel opening through a contracted slot; and an edge-pad comprising

a strip of flexible material looped upon itself to form parallel tubular casings, cores in said casings, one of said casings, together with its core, fitting within said groove for securing said pad to said frame.

Signed at Chicago this 18th day of December, 1907.

FRANK H. HAMPTON.

Witnesses:

S. L. RANDOLPH, Jr.,
E. A. RUMMLER.