

J. N. PROVENZANO & S. De GAETANO.

CHAIR SEAT.

No. 190,158.

Patented May 1, 1877.

Fig. 1.

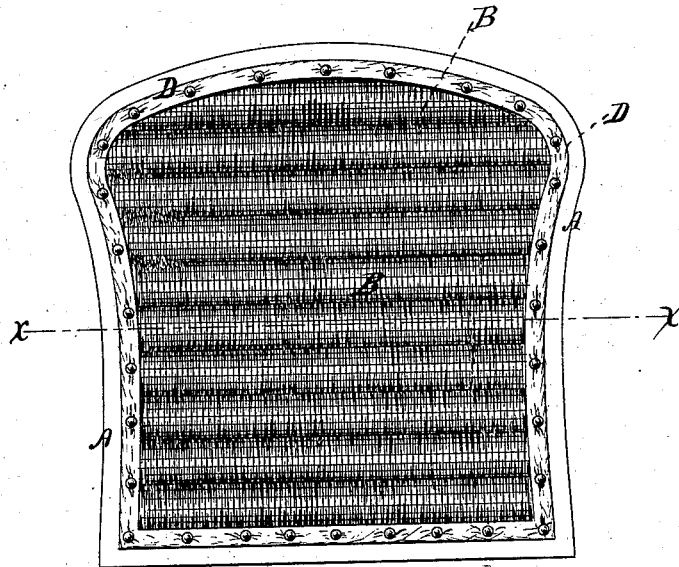
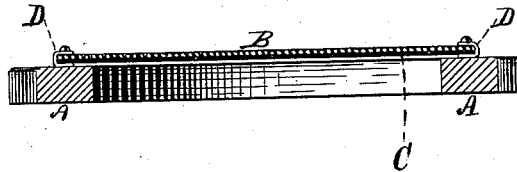


Fig. 2.



Witnesses:

*Edw. A. Rayson*

*Millard Farr.*

Inventor:

*Joseph N. Provenzano,  
Stephen De Gaetano,  
per Geo. H. Miatt  
Atty.*

# UNITED STATES PATENT OFFICE.

JOSEPH N. PROVENZANO AND STEPHEN DE GAETANO, OF NEW YORK, N. Y.

## IMPROVEMENT IN CHAIR-SEATS.

Specification forming part of Letters Patent No. **190,158**, dated May 1, 1877; application filed January 26, 1877.

*To all whom it may concern:*

Be it known that we, JOSEPH N. PROVENZANO and STEPHEN DE GAETANO, both of New York city, N. Y., have invented a certain Improvement in Material for Chair-Seats, and for similar purposes, of which the following is a specification:

The purpose of this invention is the production of a combined material in which the finer grades of plaited goods made from rushes, palm-leaves, straw, various grasses, &c., and known under the general name of "matting," may be adapted to, and employed for, use as the seats and backs of chairs, and for similar purposes.

The finer grades of plaited goods or matting have not heretofore been employed successfully for the purposes designated, because their structure, either from the character or design of the plait, or from the fineness of the material of which they are made, is not adapted to resist the pressure to which such uses would subject them.

Our invention consists in the special arrangement and combination, substantially as herein set forth, with matting or plaited goods of suitable quality, of a backing of canvas or other textile material, which latter receives, distributes, and equalizes the strain to which the combined material is subjected during use, rendering the combined material more convenient to apply and more durable in use than would be the case if the matting alone were employed.

In the accompanying drawings, Figure 1 is the plan view of the frame of a chair-seat to which our improved material is applied. Fig. 2 is a transverse section on the line *x x*, Fig. 1.

In the drawings, A indicates the frame of the seat of a chair. B represents the plaited goods or matting which forms the facing or upper side of the material, and C the thickness of canvas or other suitable material which forms the backing or under side of the combined material of which the seat is composed.

The facing of matting is preferably glued or cemented to the cloth backing C, although

the two fabrics may be combined in any other convenient or suitable manner—as, for instance, by sewing.

When the two fabrics are thus combined, they are cut to the form required, and the edges are preferably bound with braid or other material, D. This binding not only gives a finished and attractive appearance to the seat, but it also greatly strengthens it at the points at which it is subjected to the greatest strain—*i. e.*, at the points where the material forming the seat is secured to the frame A.

The improved seat thus constructed may be applied to the frames of either new or old chairs with equal facility; and we design to manufacture from the combined material seats of various sizes and shapes, especially intended to replace the seats of chairs already in use which have become worn out.

We have herein described our improved material as employed more particularly for use as chair-seats; but it may with equal advantage be applied to other uses, in which a very fine quality of matting is required to be employed.

By our improvement the finer and more attractive grades of matting may be utilized for chair backs and seats, and for analogous uses.

The combined material is also more durable and convenient of application than any heretofore available; and the comparatively fine and smooth surface of the facing B obviates all but the minimum degree of wear upon the garments of the users.

What we claim as our invention, and desire to secure by Letters Patent, is—

The combined material for chair-seats, and for similar purposes, herein described, consisting of an outer facing of woven rushes or matting, of the character herein designated, and a backing of canvas or other textile material, arranged and combined substantially in the manner and for the purposes set forth.

JOSEPH N. PROVENZANO.  
STEPHEN DE GAETANO.

Witnesses:

GEO. W. MIATT,  
MILLARD FARR.