P. BUCKLEY.

CHAIR-SEAT.

No. 171,212. Patented Dec. 21, 1875.

FIG. 1

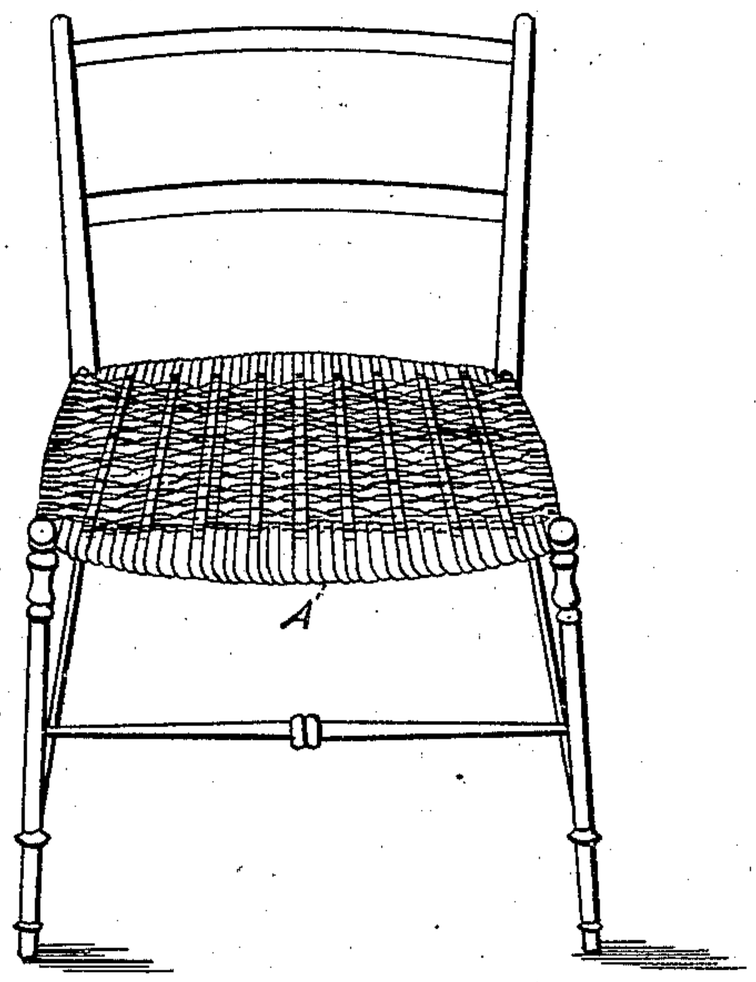

FIG. 2

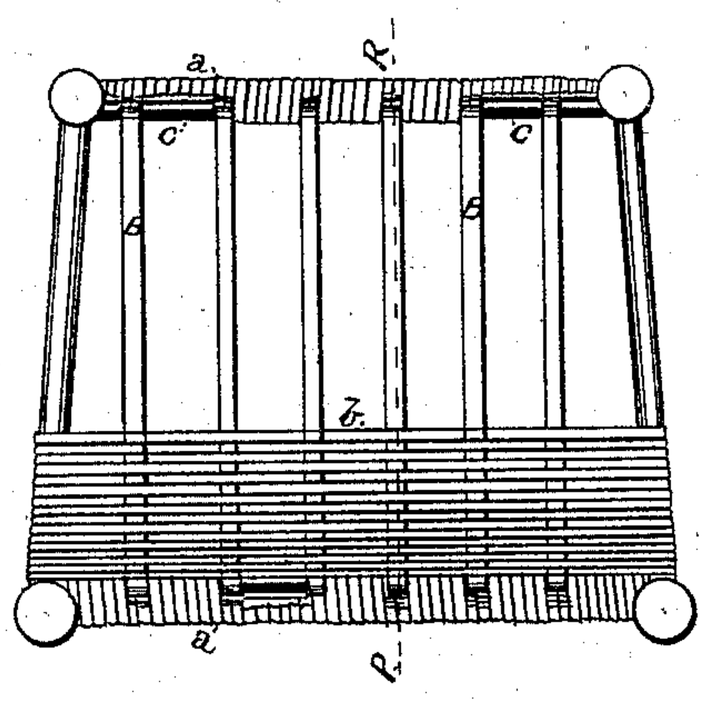

FIG. 3

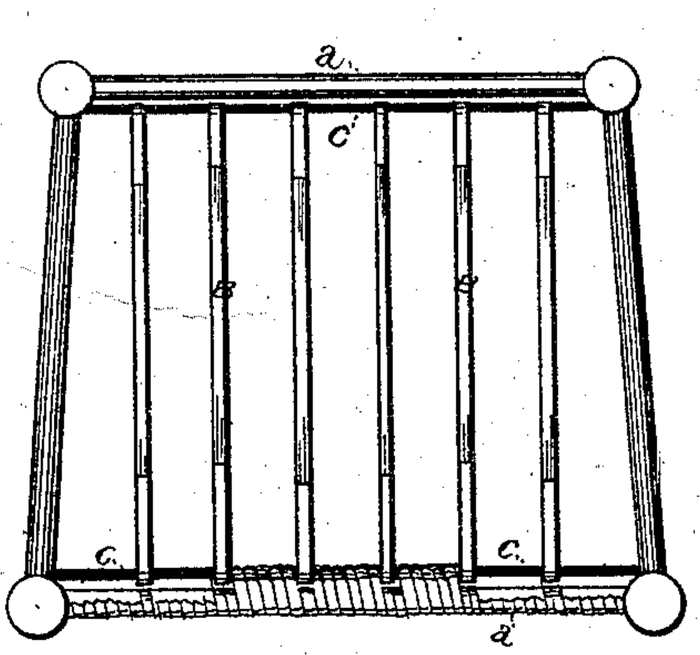

FIG. 4

SECTION THROUGH P.R

WITNESSES

W. M. Johnson

D. H. Carver.

INVENTOR

Peter Buckley

By his Atty J. L. Roberts

UNITED STATES PATENT OFFICE.

PETER BUCKLEY, OF BINGHAMTON, NEW YORK, ASSIGNOR OF ONE-HALF HIS RIGHT TO EDWARD M. FITZ GERALD, OF SAME PLACE.

IMPROVEMENT IN CHAIR-SEATS.

Specification forming part of Letters Patent No. **171,212**, dated December 21, 1875; application filed July 26, 1875.

To all whom it may concern:

Be it known that I, PETER BUCKLEY, of Binghamton, Broome county, New York, have invented certain Improvements in Chair-Seats, which improvements are fully set forth in the following specification, reference being had to the accompanying drawings.

The object of my invention is to arrange the material of the seat in such a manner as to increase the strength and durability of the work, to prevent it from sagging from use, and to facilitate the operation of construction. It also has for its object to obviate the usual inequalities on the surface of the seat and the use of less material than by the ordinary method.

The nature of my invention consists in the attachment of the warp-strands to a pin which lies parallel with the front and back rounds of the the seat-frame, which pin is secured to said rounds by winding around them the material used for the woof of the seat, by which means the ordinary binding-hoop is dispensed with, and the work left with a more even and agreeable surface.

Figure 1 in the accompanying drawing represents a chair-seat, embodying my invention. Fig. 2 is a seat detached, with a section unfinished, showing the warp-strands, and the manner of their connection with the warp-pin and the woof. Fig. 3 is an inverted view of the same. Fig. 4 is one of the warp-strands detached from the position, as shown in Fig. 2, by dotted lines marked R P.

A is the seat, which is usually made of cane or rattan, or other suitable material. B B are the strands which constitute the warp, which may be made of a different and cheaper material than the woof, and still preserve the harmony and symmetry of the work. Each piece is made separate and of sufficient length to allow the ends to be turned over the warp-pin C, and extend far enough on the under side to be securely woven in by the woof *b*. The pin C extends parallel with, and to the full length of, the inside of the frame-rounds *a a*, and is made of a piece of the round rattan, or it may be made of other and stronger material. For the purpose of preserving the plane surface of the seat near the attachment to the rounds *a a* I apply a parallel shoulder, (not shown in the drawing,) which bears on the full length of the inside of the rounds *a a*. When the chair is bottomed the end of the woof *b* is secured to the post of the chair-frame. The warp-pin C is then placed in position, and the woof wound around it and the round *a*, binding them securely together to the required distance for the insertion of the warp-strand B, the end of which is then passed down between the pin C and the round *a* and lapped under the seat. The woof *b* is then wound around the round *a*, separately, to the width of the warp-strand B. The winding is then resumed, as at the commencement, until the strands are all placed in position on the front and back rounds of the seat, which is then woven by passing the woof *b* transversely over and under the warp-strands until the work is finished. A seat formed in this manner has great strength and durability, is very cheap in its construction, and has an unusually plane and neat surface.

I am aware that there were Letters Patent granted to William G. Bulgin for improved chair-seat, dated June 7, 1870, No. 103,973, which is similar in appearance to my invention, but entirely different in construction. I therefore disclaim any devices shown in said patent.

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

The combination of the warp-pin C, warp-strand B, consisting of separate pieces for each passage across the seat, and woof *b*, constructed as herein described, for the purpose set forth.

PETER BUCKLEY.

Witnesses:
P. P. ROGERS,
J. C. ROBIE.