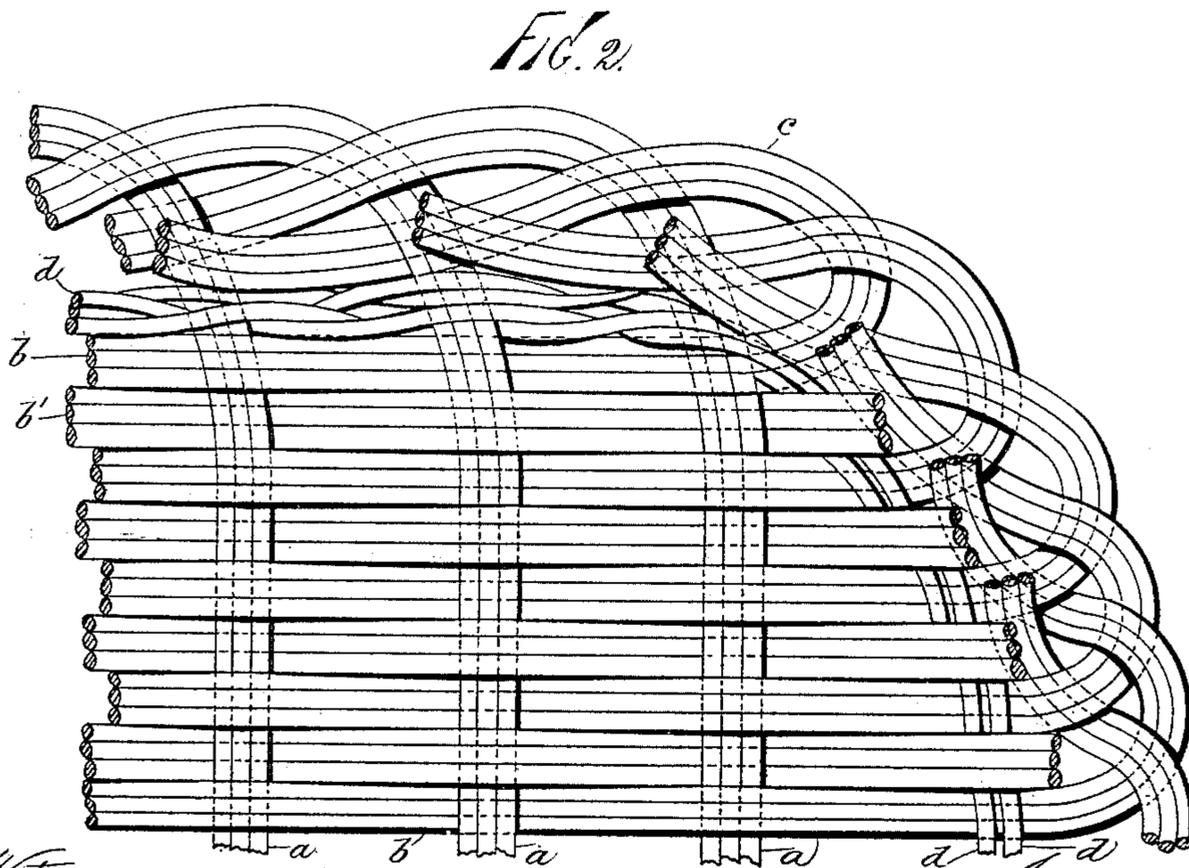
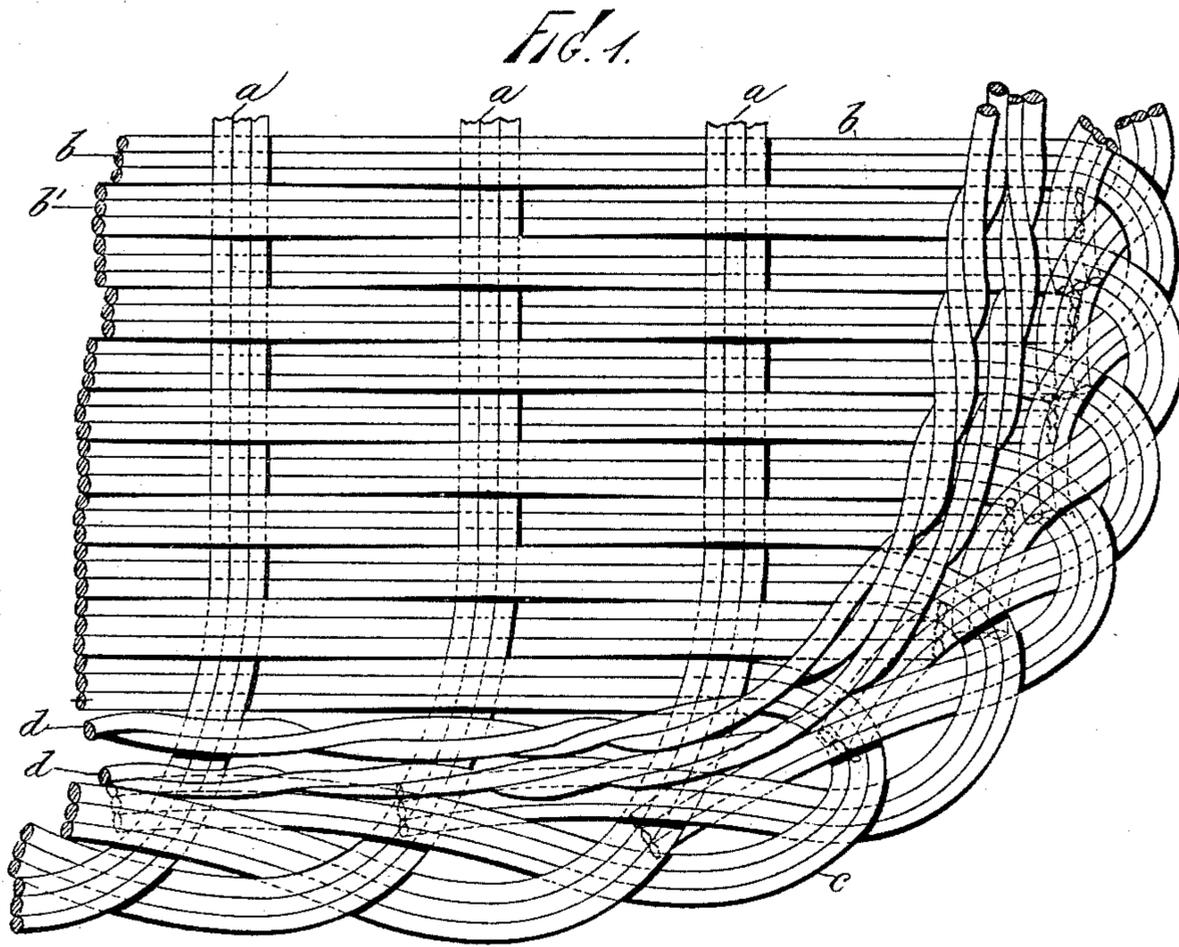


(No Model.)

J. A. STAPLES.  
CHAIR SEAT OF REED OR SIMILAR MATERIAL.

No. 461,136.

Patented Oct. 13, 1891.



Witnesses:  
Wm. Buckler,  
Chas. Smith

Inventor:  
John A. Staples,  
per Lemuel W. Secrell  
Att'y.

# UNITED STATES PATENT OFFICE.

JOHN A. STAPLES, OF NEWBURG, NEW YORK, ASSIGNOR TO HIMSELF, GEORGE H. JACOBS, AND GILBERT E. JACOBS, OF SAME PLACE.

## CHAIR-SEAT OF REED OR SIMILAR MATERIAL.

SPECIFICATION forming part of Letters Patent No. 461,136, dated October 13, 1891.

Application filed March 16, 1891. Serial No. 385,178. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN A. STAPLES, a citizen of the United States, residing at Newburg, in the county of Orange and State of New York, have invented an Improvement in Chair-Seats of Reed or Similar Material, of which the following is a specification.

This invention relates to a chair-seat of reed, cane, or similar material that is adapted to be nailed or otherwise secured to the wooden chair-seat frame.

Chair seats and backs have heretofore been made of woven cane or reed with a separate ornamental border of interlaced reeds or canes, and in some instances the reeds or canes that cross and are interwoven with the longitudinal canes have been twisted together at the border; but this is not adapted to chair-seats, as such twisted canes or reeds form a heavy ridge.

In my present invention the canes or reeds are woven together flatwise to form an ornamental border for the chair-seat that lies flat and does not form a disagreeable projection, and the interlacing flatwise of the reeds or canes in the border allows for the introduction of ornamental-headed nails for securing the seat to the frame without the risk of the reeds or canes drawing out by the tension to which they are subjected.

In the drawings, my method is illustrated by Figure 1, which is a plan view of part of my chair-seat, and Fig. 2, which is an inverted plan of the same.

$a$  represents the warp-strands, of reed or similar material, and  $b$  the filling-strands, which are approximately at right angles to the warp-strands, and  $b'$  are the intermediate filling-strands, which extend only across the seat and are supported by the strands  $a b$ . These strands  $a b b'$  are interlaced, as shown, by passing the filling-strands  $b b'$  alternately over and under the warp-strands  $a$  and at right angles or approximately thereto.

I have shown the strands of reed or similar material in groups of three reeds; but do not

limit myself in this respect, as two or a greater number of reeds may compose each group of strands, according to the quality and fineness of the article it is desired to make. The respective ends of the warp and filling strands  $a b$  project beyond the limits formed by their interlacing, and said ends are all bent or curved in one direction and interlaced with each other by being carried over and under several times, each strand passing outwardly over, curving, and passing inwardly under, over, and under the companion strands to its end to form the border  $c$  to the seat. The intermediate parallel interlaced strands  $d$ , of reed or similar material, pass around the seat between the interlaced strands  $a b b'$  and the border  $c$  and serve as a finish and partial stiffening to the seat; but I do not limit myself to their use, as they are not indispensable.

I claim as my invention—

1. A separate chair-seat formed of reeds or similar material, having strands of two or more reeds and interwoven crossing strands, the end portions of the strands being bent around and interwoven flatwise to form an ornamental border and to complete the seat in a condition ready to be attached to a chair-frame, substantially as set forth.

2. A separate chair-seat formed of reeds or similar material, having strands of two or more reeds and interwoven crossing strands, the end portions of the strands being bent around and interwoven flatwise to form an ornamental border, and the strands  $d$  within the border, interlaced with the longitudinal and transverse strands to complete the seat in a condition ready to be attached to a chair-frame, substantially as set forth.

Signed by me this 5th day of March, A. D. 1891.

JOHN A. STAPLES.

Witnesses:

JAMES G. GRAHAM, Jr.,  
JAMES G. GRAHAM.