

No. 680,575.

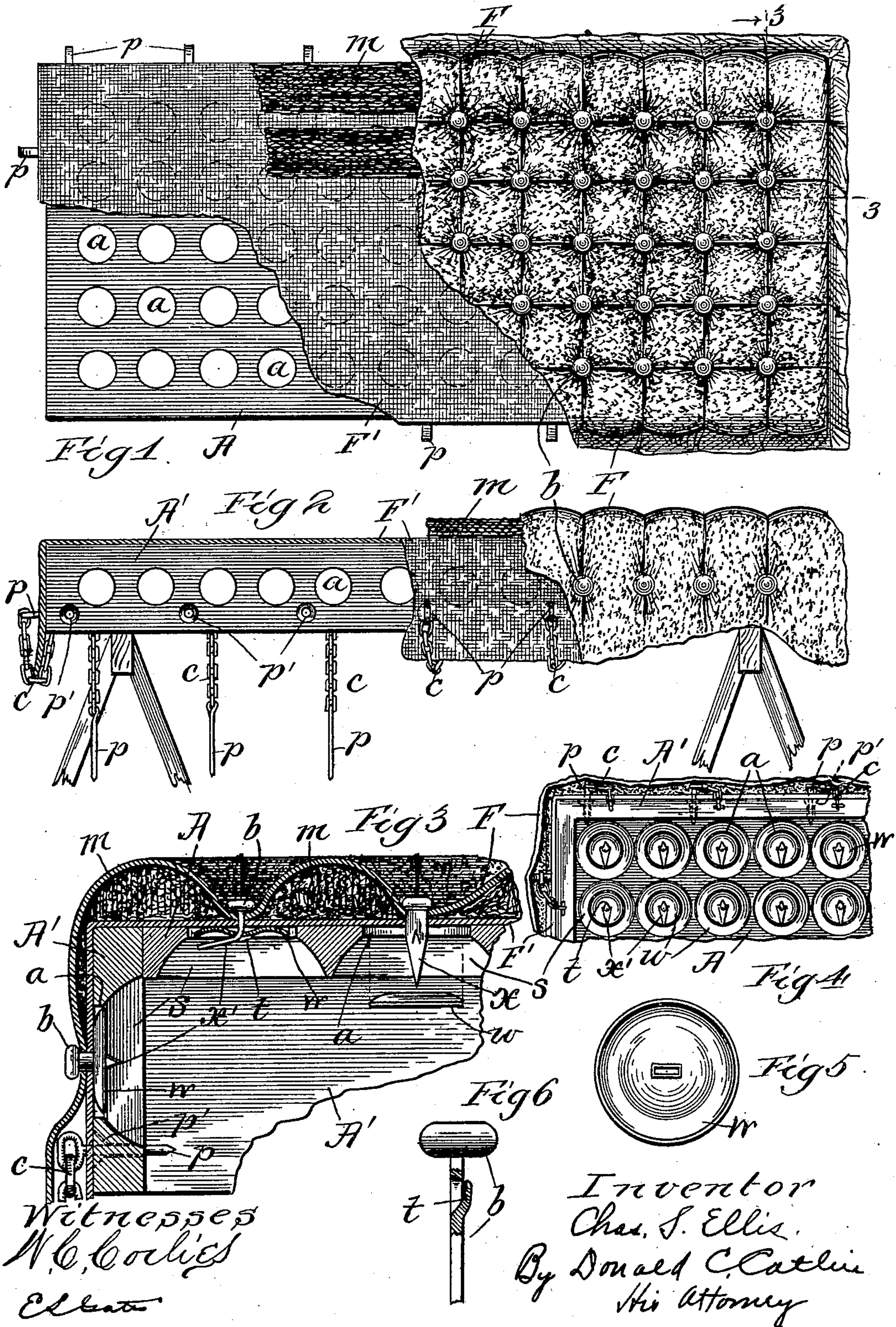
Patented Aug. 13, 1901.

C. S. ELLIS.

UPHOLSTERER'S TUFTING TABLE.

(Application filed Dec. 11, 1899.)

(No Model.)



UNITED STATES PATENT OFFICE.

CHARLES S. ELLIS, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE DOAN & GATES COMPANY, OF SAME PLACE.

UPHOLSTERER'S TUFTING-TABLE.

SPECIFICATION forming part of Letters Patent No. 680,575, dated August 13, 1901.

Application filed December 11, 1899. Serial No. 739,976. (No model.)

To all whom it may concern:

Be it known that I, CHARLES S. ELLIS, a citizen of the United States of America, residing in Chicago, in the county of Cook and State of Illinois, (doing business at No. 80 South Canal street, which said address is my post-office address,) have invented a new and useful Improvement in Upholsterers' Tufting-Tables, of which the following is a specification.

My invention relates to that class of tables known as "upholsterers' tufting-tables," upon which the top of a couch or the seat or back of a chair or other like article may be conveniently tufted with hair, moss, or other tufting material inserted between two layers of cloth or like flexible fabric.

The principle object of my invention is to provide a cheap and easy method for upholstering furniture, especially by the use of the upholsterers' button or pin patented to me by Letters Patent dated November 21, 1899, No. 637,720.

My invention consists, briefly and particularly, of a perforated top board having attached thereto side and end boards, all being countersunk on the under and inner sides thereof around the perforations thereon, the said perforations being adapted to permit of the passage therethrough of upholstering pins and washers, particularly such as are described in the Letters Patent issued to me on the 21st day of November, A. D. 1899, hereinbefore referred to.

In the drawings, Figure 1 is a plan view of the top of the table with sections of the under and upper covers of a couch-top laid out thereon in the course of being tufted. Fig. 2 is a plan view of one of the sides of the table with sections of the under and upper covers of a couch-top laid out thereon in course of being tufted. Fig. 3 is a section through the table and the couch-top on the line 3 3. Fig. 4 is a plan view of the under side of the table. Fig. 5 is a top view of the washer or button retaining plate used by me in upholstering upon this board. Fig. 6 is a side view of the button or pin used by me in upholstering upon this board, the said pin being patented to me by Letters Patent hereinbefore referred to.

In the construction of a tufting-table ac-

cording to my designs I provide a flat top board A and attach thereto, extending downwardly from the ends and sides of the same, substantially at right angles to the board itself, other boards A' of suitable width. The side and end boards are preferably fixedly attached to the top board. This top board is perforated at convenient intervals, so as to form therein apertures *a* of diameter sufficient to permit of the passage therethrough of washers *w* of the sort shown in Fig. 5, used by me in connection with the upholsterers' button or pin patented to me by Letters Patent of the United States of America, hereinbefore referred to. I also provide the side and end boards each with a single row of apertures of diameter equal to the diameter of the apertures in the top board. By rimming or countersinking around the apertures on the under side of the top board and on the inner sides of the side and end boards I provide free spaces *s* on the under and inner sides of the said boards, so as to permit of the easy introduction of the hand within the said apertures from the under or inner side of the boards. I also provide the pins *p*, which are adapted to be thrust into the apertures *p'*. These pins may be suspended from the side or end boards by means of chains, as *c*, through the medium of a staple or some such like device. I also provide the side and end boards at corresponding intervals with small apertures *p'*, adapted to receive the pins *p*.

In using this table I place it upon any kind of support which will leave it open and free, so that the hand may be thrust thereunder. I then draw across the table a piece of cloth used by upholsterers as a bottom fabric in making an upholstered top for a couch or chair. This fabric I stretch tightly over the table, fastening it at the sides and ends by means of the pins *p* thrust therethrough and inserted into the holes *p'*, as shown in Fig. 2. I then take the top cover F and stretch it upon the table and insert or thrust an upholstering button or pin, as *b* in Fig. 6, through both the top fabric F and the bottom fabric F' into one of the apertures *a* on either the side or the end of the table until it assumes the position marked *x* in Fig. 3. I then insert a washer or pin retaining plate

into the aperture and over the shank of the pin from the under side of the table and bend the shank of the pin or button so that the tongue *t* thereof is brought into engagement with the washer upon its under side, as shown by the pin in the position marked *x'* in Fig. 3. The top cover *F* and the bottom fabric *F'* are thus brought into engagement and held together. This method of procedure is followed until the end or side of the couch or chair top desired to be upholstered is secured to the table. I then insert between the top and bottom fabrics *F* and *F'* my upholstering material, as *m*, and, drawing the top cover over it, thrust the upholstering pins or buttons through the first row of apertures on the top of the table adjacent to the side or end through whose apertures the first pins are thrust and proceed to fasten the top cover to the bottom fabric by means of the pins and washers, as hereinbefore described. This process is continued until the entire top is tufted. When my top has been fully tufted, I remove the pins *p* from the apertures into which they were originally thrust, and the tufted top can be removed from the table at once, the side of the apertures *a* being such as to permit of the easy passage therethrough of the washers *w* and buttons *b*.

It will be observed that my table is in no sense an automatic machine designed for the purpose of tufting tops; but it is rather a table designed for use in the hand manufacture of upholstered couch and chair tops and backs for the purpose of simplifying and making easy the work which must be done to bring about the results most desired in that art.

While I have described my invention with more or less minuteness regarding the details of construction and as being embodied in certain precise forms, I do not desire to be limited thereto unduly or any more than is point-

ed out in the claims. On the contrary, I contemplate all proper changes in form or construction and arrangement, the omission of immaterial elements, and the substitution of equivalents, as circumstances may suggest or necessity render expedient.

I claim—

1. In an upholsterer's tufting-table, the combination of a top board with side and end boards fixedly attached thereto and extending downwardly therefrom at a substantial right angle to the top board, all perforated with apertures and countersunk around the said apertures on the under side of the top board and on the inner side of the side and end boards, all substantially as described.

2. In an upholsterer's tufting-table, the combination of a top board having side and end boards fixedly attached thereto and extending downwardly therefrom, all perforated at intervals with apertures substantially circular in form, and countersunk around the said apertures on the under side of the top board and on the inner sides of the side and end boards, holes, *p'*, on the side and end boards adapted to receive retaining-pins, and retaining-pins *p* adapted to be thrust into them, all substantially as and for the purpose described.

3. In an upholsterer's tufting-table, a perforated board being countersunk around the apertures therein upon the under side thereof, with the side and end pieces also perforated and countersunk around apertures therein upon the inner sides thereof, and means for fastening the fabric thereto to form tufts, all substantially as described and for the purpose specified.

CHAS. S. ELLIS.

Witnesses:

E. L. GATES,
W. C. CORLIES.