

(No Model.)

S. J. DELAN.
Game Apparatus.

No. 232,394.

Patented Sept. 21, 1880.

Fig: 1.

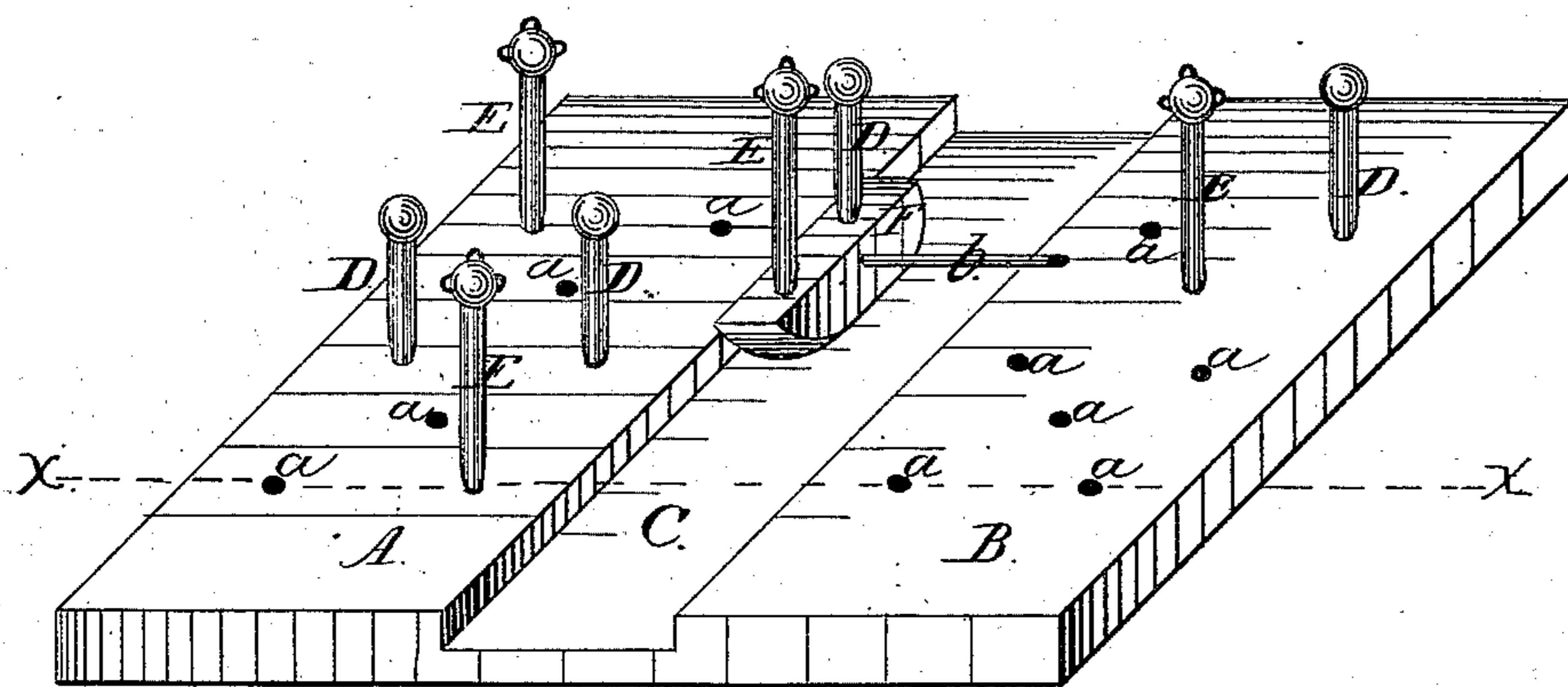
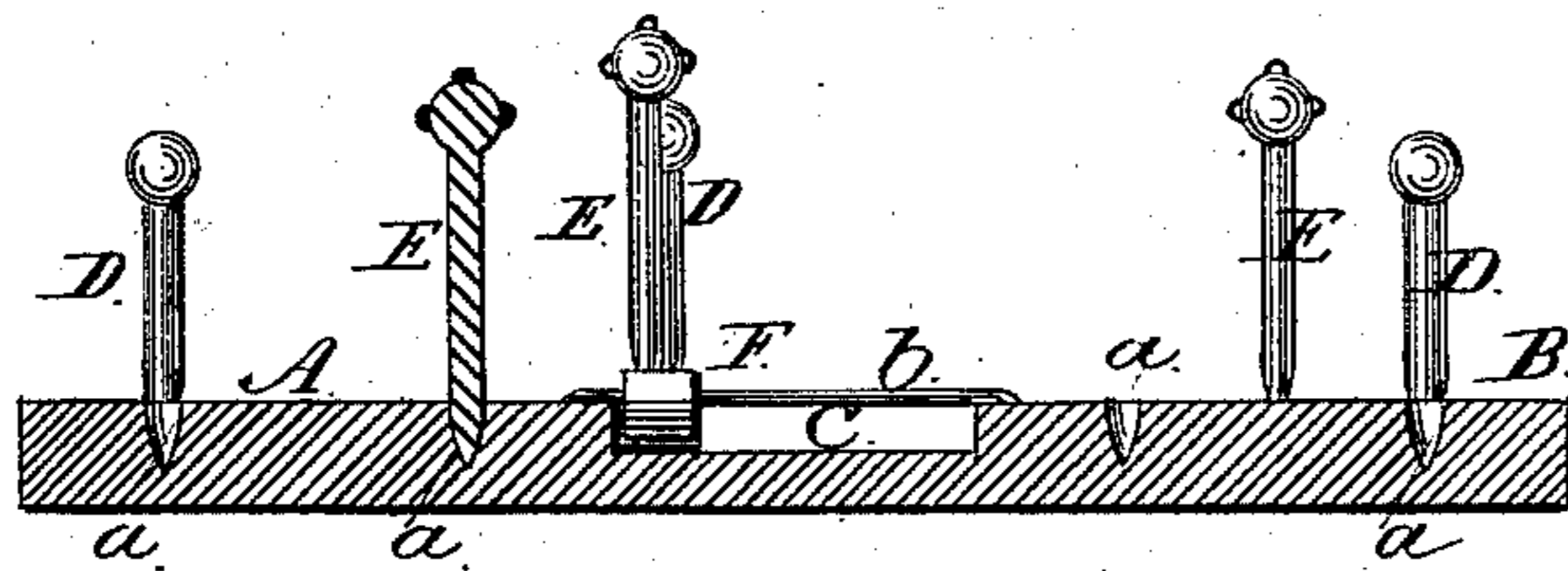


Fig: 2.



Witnesses:

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Inventor:

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UNITED STATES PATENT OFFICE.

SURVILLE J. DELAN, OF NEW YORK, N. Y.

GAME APPARATUS.

SPECIFICATION forming part of Letters Patent No. 232,394, dated September 21, 1880.

Application filed March 29, 1880. (No model.)

To all whom it may concern:

Be it known that I, SURVILLE J. DELAN, of New York, in the county and State of New York, have invented a new and Improved Game Apparatus for Solving a Toy Puzzle, of which the following is a specification.

My invention relates to an improvement in that class of game apparatus for solving toy puzzles wherein it is required that men or pieces be transferred from one position to another in a certain definite order or arrangement; and it consists of a board or other suitable object divided into two parts or sides by an obstruction, with a device for conveying the pieces from one side to the other, in combination with two distinct sets of pegs or movable objects.

In the accompanying drawings, Figure 1 represents a perspective view of my improved game apparatus for solving a toy puzzle; and Fig. 2 is a cross-section of Fig. 1, taken on line *x x*.

Referring to the drawings, A B represent the two wings or parts of the board, and C the intervening obstruction or channel. The two sides or parts A B are each provided with peg-holders *a* for the pegs or pieces D E, which are of two kinds or characters in equal numbers. The pieces D represent, say, travelers, and E servants attending them, the parts A B land, and the channel C a river. The conveyance F, which may or may not be used, may represent a boat or any other suitable object, and may be placed on a wire, *b*, crossing the obstruction C. The boat can be moved on the wire *b* from side to side, and the said conveyance should be adapted to carry only two pieces or pegs.

One mode of playing the game or puzzle consists in transferring the travelers and servants by twos from one side to the other of the obstruction without leaving the travelers in a minority on either side, so as not to subject them to danger at the hands of the servants.

By using eight pieces, four of each kind, at least three combinations are formed, which I

call "terms," the solution of two of which I will describe.

First term: Suppose three travelers and three servants reach one side of a river or obstruction, C, and wish to cross under the above-mentioned condition. They will proceed as follows: first, two servants cross and one returns; second, two servants cross and again one returns; third, two travelers cross, one returns with one of the servants; fourth, two travelers cross and one servant returns; fifth, two servants cross and one returns; sixth, two servants cross together. In this way all have crossed over and the first term of the puzzle is solved.

Second term: A traveler and servant now appear on the opposite side of the obstruction, and the object is to transfer the last comers to the same side with those who crossed over in the first term and under the same conditions. To this end, first, one traveler and one servant of the six return to the opposite side, where the new traveler and servant are waiting; second, the two travelers cross over; third, one servant returns; fourth, two servants cross over. This completes the solution of the second term.

Another term would be to let the four travelers and their servants recross the river under the foregoing conditions; but other and further interesting combinations may be produced with this game.

I claim—

1. A game apparatus consisting of a board having channel C and an equal set of peg-holders on each side of said channel, in combination with conveyance F and with two sets, D and E, of movable pegs, substantially as herein shown and described.

2. The combination of the game-board A, having peg-holders *a* and channels C, with the wire *b* and conveyance F, substantially as herein shown and described.

Witnesses:

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