

# Thomas & Everett.

## Jacquard Motion for Loom.

N<sup>o</sup> 8,810.

Patented Mar. 16, 1852.

Fig. 1.

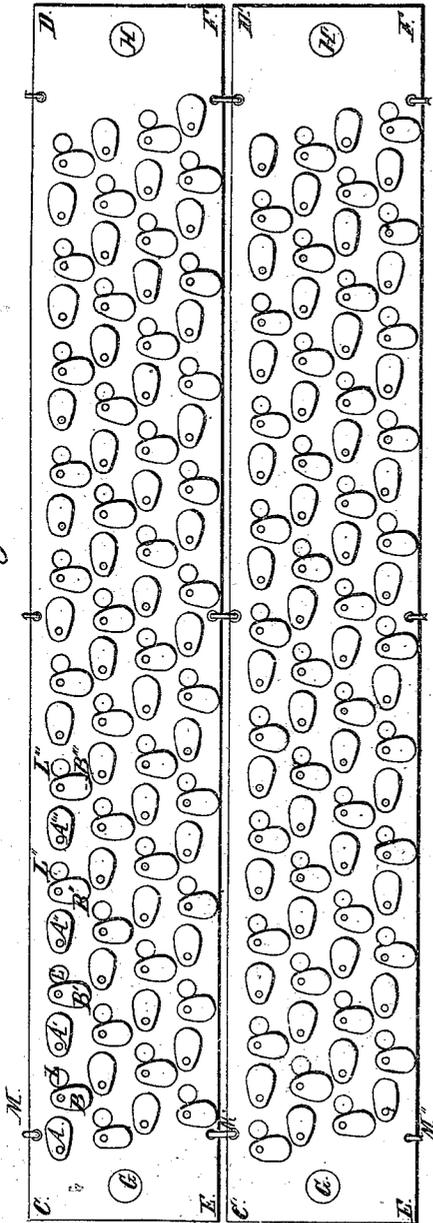


Fig. 2.



Fig. 5.

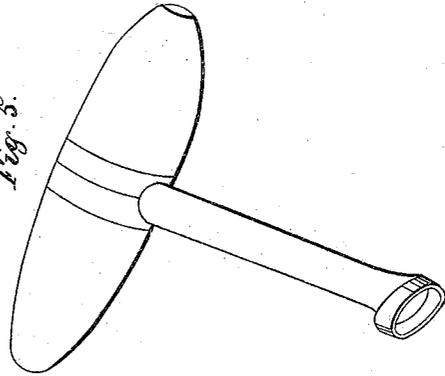


Fig. 3.



Fig. 4.

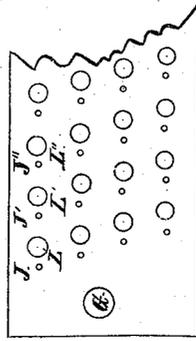
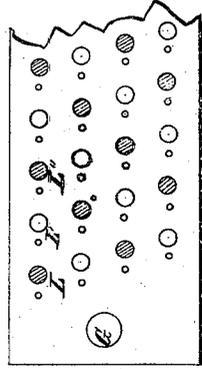


Fig. 6.



# UNITED STATES PATENT OFFICE.

SAMUEL T. THOMAS, OF LOWELL, AND EDWARD EVERETT, OF LAWRENCE,  
MASSACHUSETTS.

## PATTERN-CARD FOR JACQUARD LOOMS.

Specification of Letters Patent No. 8,810, dated March 16, 1852.

*To all whom it may concern:*

Be it known that we, SAMUEL T. THOMAS, of Lowell, in the county of Middlesex and State of Massachusetts, and EDWARD EVERETT, of Lawrence, in the county of Essex and State aforesaid, have invented a new and useful Improvement in Pattern-Cards for Jacquard Looms; and we do hereby declare that the following is a full, clear, and exact description of the construction and use of the same, reference being had to the annexed drawing, making a part of this specification, in which—

Figure I, is a top view of two cards; Fig. II, end view of same; Fig. III, top view of the bottom; Fig. IV, top view of the needle-holes and rivet holes; Fig. V, key, to turn the buttons; Fig. VI, view of the side of the card which comes in contact with the pattern prism.

The object of our invention is to facilitate the operation of changing the figure or pattern of cloth that is woven upon a Jacquard loom, and to reduce the expense now incurred in changing and perforating the common pasteboard cards.

In Fig. I, C, D, E, F represents one of the cards, which is made of tin-plate, or other sheet metal, its length and breadth being such as to adapt it to the prism, upon which it is to be used. A hole is made at each end of the card, as at G, H, to receive the tapered guide-pin of the prism, which holds the card in the required position. The card is perforated with round holes L, L', their number and position being arranged with reference to the needles, with which the card is to be used. As the cards are usually made, one set can produce but one fig-

ure; every new figure requiring a new set of cards. By our improvement we are able to produce a great variety of figures with one set of cards, which we effect by attaching a button made of tin-plate, and of the form shown in Fig. III to each hole, as at A, B, A' B' Fig. I. The button is of an oval form, and has at one end a square aperture; in this, a rivet is placed which passes through the small circular holes, J J' Fig. IV, in the metallic card, and is riveted upon the side opposite the button as in Fig. VI. The rivet is prevented from turning in the button by the square hole, its motion being confined to the round hole J, in the card. The buttons are turned by a key, of the form shown in Fig. V, one end of the key being countersunk, so as to conform to the shape of the button. A certain part of the holes are closed by the buttons, as at A, A', Fig. I:—or open as at B B',—according to the figure required upon the cloth. The cards are connected together by two or more metallic rings M, M', thus forming the pattern chain.

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

The combination of the buttons with the metallic card, as described, the buttons being so riveted or attached to the card as to allow of their being turned for the purpose of closing or opening the holes, to which they are respectively attached.

SAMUEL T. THOMAS. [L. S.]  
EDWD. EVERETT. [L. S.]

In presence of—  
N. W. HARMON,  
JAMES D. NINICK.