

(No Model.)

O. B. BRUSH.

TUCK MARKING ATTACHMENT FOR SEWING MACHINES.

No. 557,357.

Patented Mar. 31, 1896.

Fig. 1,

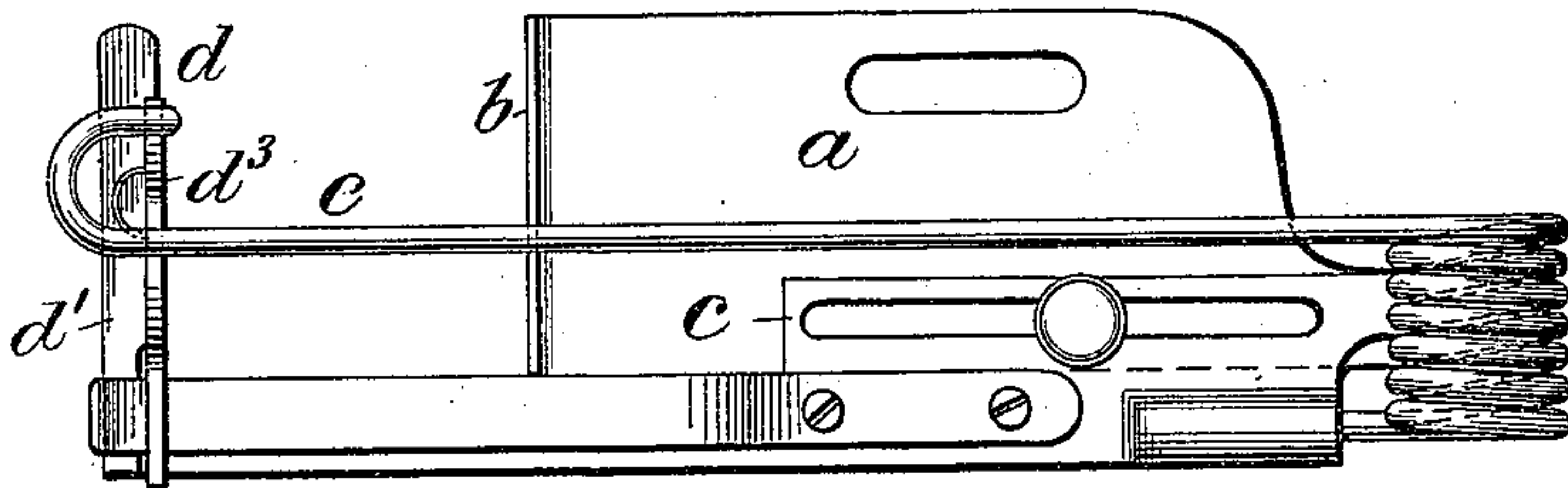


Fig. 2,

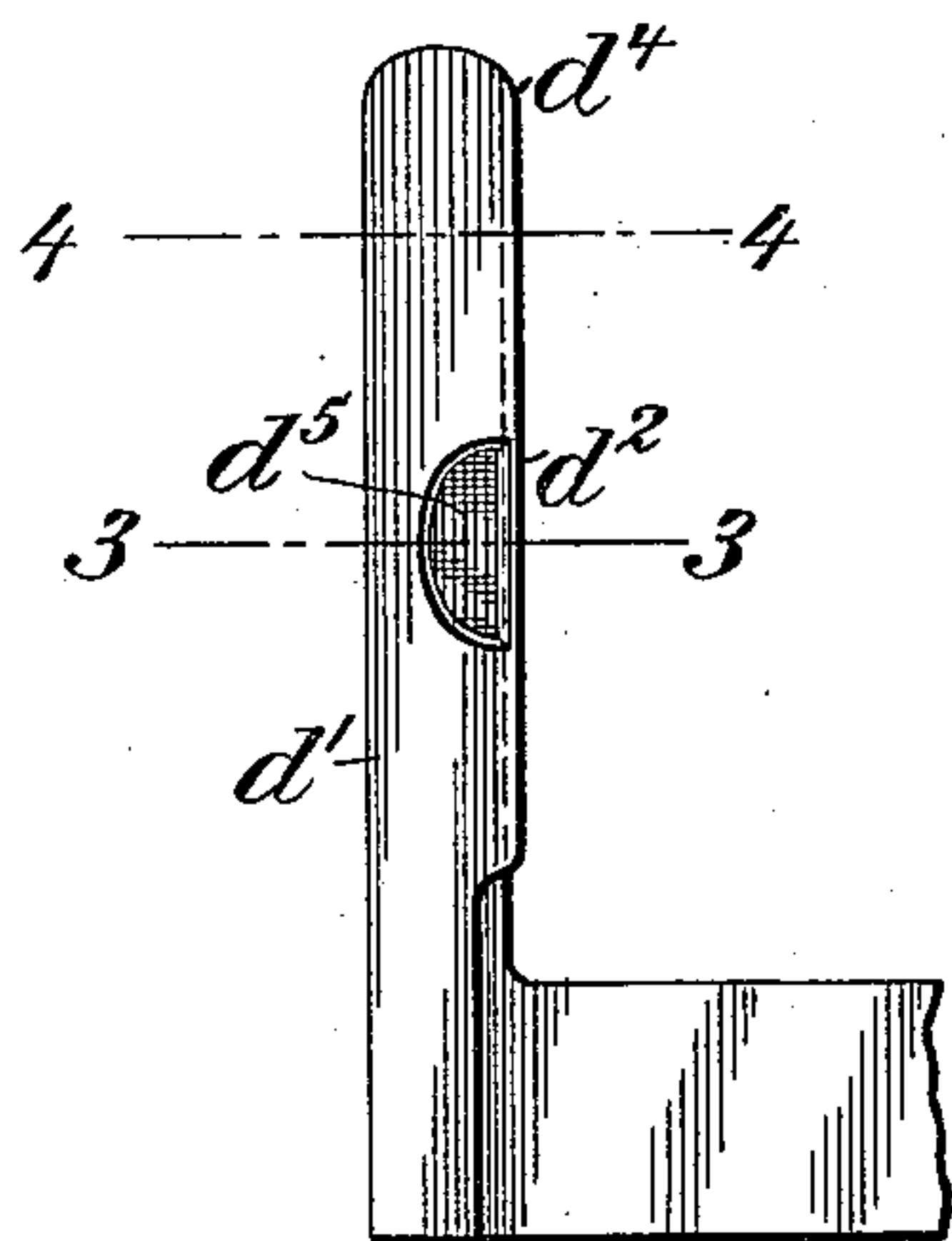
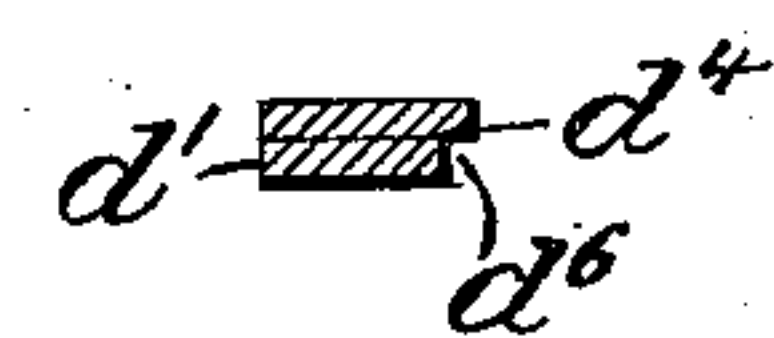


Fig. 3,



Fig. 4,



Witnesses:-

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UNITED STATES PATENT OFFICE.

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TUCK-MARKING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 557,357, dated March 31, 1896.

Application filed November 20, 1894. Serial No. 529,411. (No model.)

To all whom it may concern:

Be it known that I, OTIS B. BRUSH, a citizen of the United States, and a resident of Bridgeport, Fairfield county, and State of Connecticut, have invented new and useful Improvements in Tuck-Marking Attachments for Sewing-Machines, of which the following description, taken in connection with the drawings herewith accompanying, is a specification.

My invention relates to tuck-marking attachments for sewing-machines, and more particularly to the marking device forming part of such attachments. Heretofore the marking device has been formed with a lower vertically-stationary arm having an upturned edge or flange forming a marking edge and a vertically-movable arm constructed to coact with the said lower marking edge to crease and mark the interposed goods, as well understood by those skilled in the art. The said projecting upturned edge or flange, however, forming the lower marking edge has been found objectionable in some instances where certain kinds of goods are being operated upon, in that it catches and interferes with the free movement of the goods passing over the same; and my present invention has for its object, first, to obviate such objectionable feature and present a smooth and unobstructed surface over which the goods may be passed and marked, and, second, to provide means for guarding the tuck lying beneath the fold of goods being marked, in passing to and beyond the marking edge, to insure against its rising above or over the latter. This object I secure by the construction hereinafter set forth in detail, and pointed out in the claims.

Referring to the accompanying drawings, Figure 1 represents a plan view of an attachment embodying my invention; Fig. 2, an enlarged plan view of the arm or part provided with the marking edge broken from its supporting-shank; Fig. 3, a cross-section through line 3 3, Fig. 1; and Fig. 4, a cross-section through line 4 4, Fig. 1.

To explain in detail, the supporting-plate *a*, upon which the several parts forming the attachment are supported and which is constructed for detachable connection with the

cloth-plate of a sewing-machine, the guide *b*, formed by an upturned edge or flange at one end of said plate, and the adjustable sliding plate *c*, supported upon the plate *a* and carrying the marking device *d* and the spring-arm *e*, which latter is adapted to be operated by the needle-bar to engage and operate the movable arm of the marking device, are all, with the exception of the marking device, of usual construction and not of my present invention.

The marking device *d* consists of the lower arm or plate *d'*, having a marking edge *d²*, and the upper movable arm *d³*, constructed to coact with the edge *d²* in the usual manner. The marking edge *d²*, however, in the present instance and according to my invention is formed with its upper or working edge flush or in line with the surface of the plate *d'*, as more clearly shown in Fig. 3, thus presenting a smooth and unobstructed surface over which the goods pass. This construction of the marking edge is secured by cutting out or forming a depression in the plate *d'* adjacent to said edge, as at *d⁵*, and which said opening or depression is also of sufficient size to allow for the depression of the goods therein at such point, caused by the action or pressure of the upper arm *d³* on the goods, as will be readily understood. The plate *d'* is also constructed with an extended wall *d⁴* on that side provided with the marking edge, which extends beyond the latter at each end thereof, as more clearly shown in Fig. 2, and acts as a guard to prevent any liability of the tuck riding above or over the marking edge and also serves, by thus keeping said under tuck against the vertical or guiding edge *d⁶*, to hold the edge of the opposite tuck or the fold being sewed against the guide *b*, thus insuring uniformity in the marking, and consequently in the width of the tucks.

Having thus set forth my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a tuck-marking attachment for sewing-machines, a marking device, consisting of a plate having a horizontal upper surface provided with an opening therein, which opening is arranged so as to form a longitu-

dinal wall-piece at one edge of the plate, the upper edge of which is substantially flush with the surface of the plate and forms a marking edge, and the upper movable arm
5 constructed to coact with said marking edge, substantially as described and for the purpose set forth.

2. In a tuck-marker for sewing-machines, a marking device, consisting of a plate hav-
10 ing one edge thereof serve as a guide and provided with an extended wall overhanging said edge, the said plate being also provided with an opening in its upper surface arranged

so as to form a longitudinal wall-piece at one edge of the plate and in said extended wall, 15 the upper edge of which wall-piece is substantially flush with the surface of the plate and forms a marking edge, and the upper movable arm constructed to coact with said marking edge, substantially as described and 20 for the purpose set forth.

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Witnesses:

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