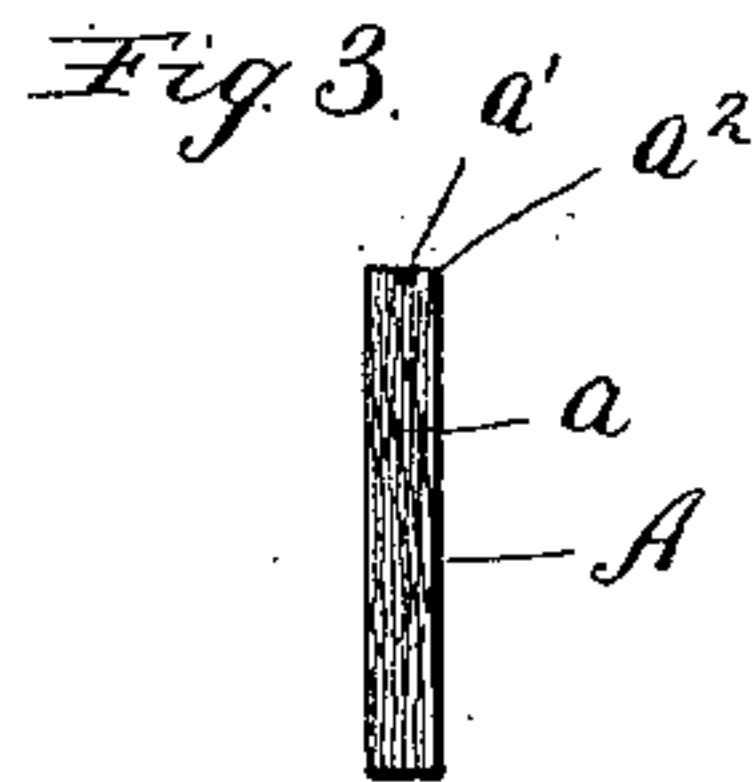
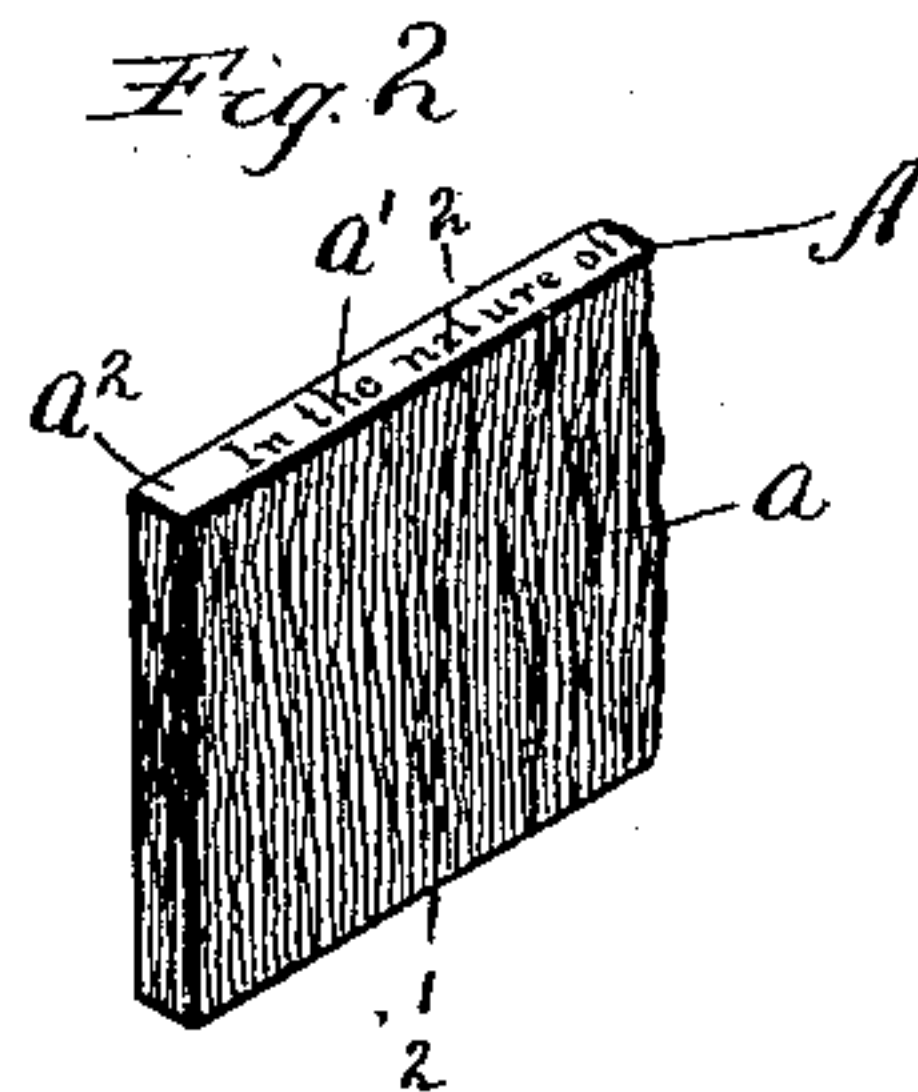
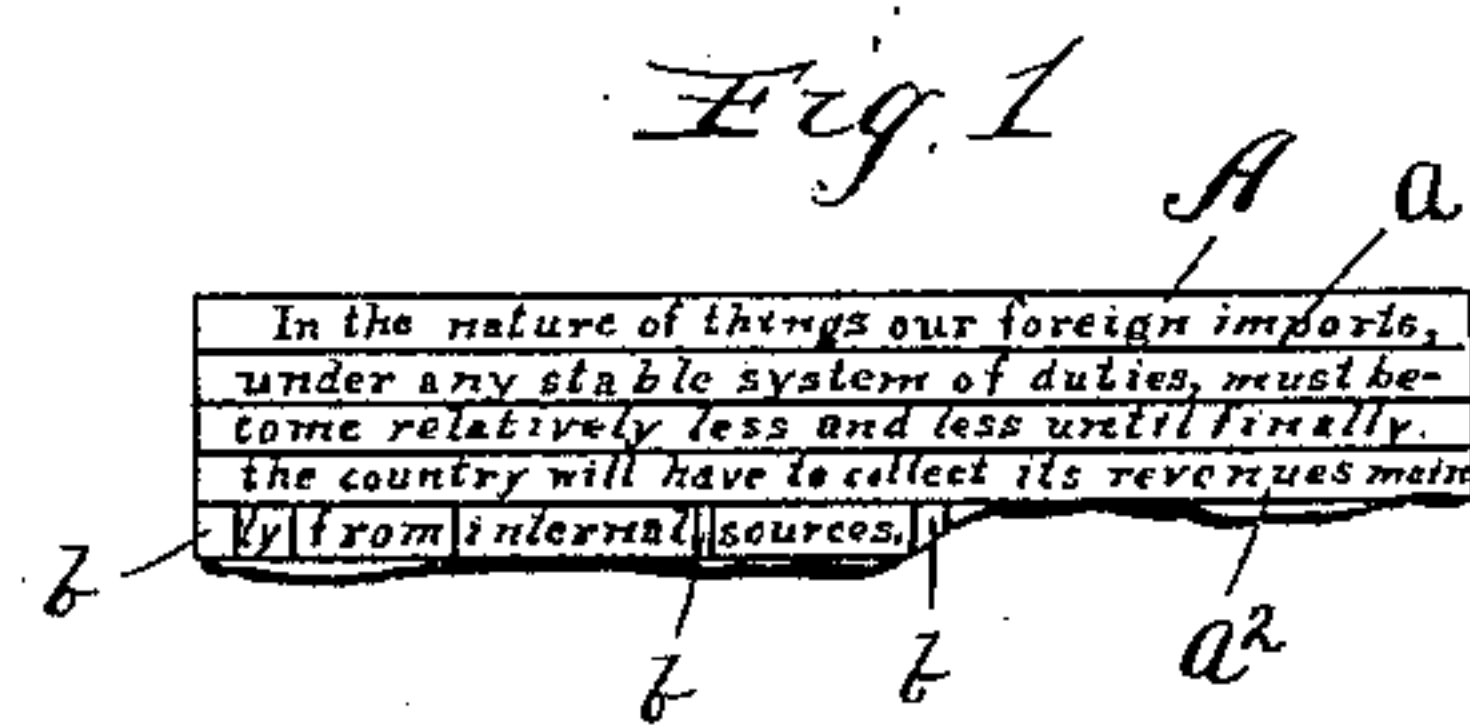


(No Model.)

C. SEARS.
STEREOTYPE MOLD.

No. 446,930.

Patented Feb. 24, 1891.



Witnesses:

Sen. C. Curtis.
H. Munday

Inventor:

Charles Sears

By Munday, Everts and Adcock
his Attorneys:

UNITED STATES PATENT OFFICE.

CHARLES SEARS, OF CHICAGO, ILLINOIS.

STEREOTYPE-MOLD.

SPECIFICATION forming part of Letters Patent No. 446,930, dated February 24, 1891.

Application filed July 5, 1888. Serial No. 279,042. (No model.)

To all whom it may concern:

Be it known that I, CHARLES SEARS, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Stereotype-Molds, of which the following is a specification.

My invention relates to the art of making stereotypes, and more particularly to improvements in stereotype-molds intended for receiving type-impressions letter by letter or one at a time.

My present improvement consists in a stereotype mold or block of wood having the type-impressions therein formed letter by letter on the end face thereof by compressing the fibers of the wood in the direction of their length, the thickness of the block being equal to the width of one line, so that the block will receive the impressions of but a single line of type. My single-line stereotype mold-blocks may be thus set up and locked in a form in the same manner that ordinary type are, and then the stereotype-plate may be cast therefrom.

The type-impressions for each letter upon the end fibers of the wood mold-block are made separately or successively one after another. As the fibers of the wood block are compressed by the type-dies in the direction of the length of the fibers of the wood, the single-line type-block may be readily divided at any point desired—as, for example, between syllables, when it becomes necessary in setting the matter up in a column in the form to carry a syllable into the next succeeding line. Each separate word of the single-line stereotype mold-block may also, when necessary, be divided vertically in the direction of the fibers of the wood block and leads or spacing-blocks put in between the words when necessary to the proper justification of the line. By thus making the stereotype mold-block only one line wide I am enabled to properly justify the matter in forming the column before the stereotype is cast therefrom. Also, in correcting the proof any separate line, word, or syllable may be readily removed from the form and corrected by inserting a new and corrected word, line, or syllable, as the case may be. As the impression

of each successive type is made upon the end fibers of the wood block, the impressions may be made letter by letter without crowding, impairing, or disturbing the preceding type impressions or molds in the block.

In the accompanying drawings, which form a part of this specification, and in which similar letters of reference indicate like parts, Figure 1 is a plan view or face showing a number of my separate detachable single-line stereotype-mold wood blocks secured together in a form or column preparatory to casting the stereotype therefrom. Fig. 2 is a perspective view of one of my single-line stereotype-mold wood blocks, and Fig. 3 is a section on line 2 2 of Fig. 2.

In said drawings, A represents a wood block; a , the longitudinal or vertical fibers of the wood, and a' the type impressions or molds formed in the block by compressing the fibers of the wood longitudinally or in the direction of their length by the type-dies. The upper face or surface a^2 , which is formed by the ends of the fibers of the wood, is made smooth by planing and polishing. The block A is in thickness equal to one line, and is preferably made type-high. The sides of the block A should be made parallel and smooth, so that any desired number of these single-line mold-blocks may be locked together in the form, as indicated in Fig. 1, preparatory to taking the casting therefrom. When necessary, in justification of the line, the block A may be divided between the separate words and spacing-blocks b inserted between, or the division may be made between the syllables of a word when necessary to carry a syllable into the next line.

My single-line wood blocks for receiving stereotype molds or impressions are designed for use in my improved process of making stereotype-molds, which is shown and described in my application filed of even date herewith, in which process the type-impressions in the block are made letter by letter or one by one, successively.

I claim—

1. The single-line stereotype wood mold-block herein described, having type-impressions on its end surface formed by compressing the fibers of the wood in the direction of

their length, the thickness or width of said block being equal to the width of one line of the type-impressions made therein, so that said mold-blocks may be set up in a form, the same as ordinary type, substantially as specified.

2. The matrix or mold for casting stereo-type-plates, consisting of a series of separate detachable wood blocks each a single line wide, capable of division between words and syllables and having smooth parallel sides, so that they may be secured together in a form, and having type-impressions formed upon the end fibers of the wood by compressing the fibers in the direction of their length, substantially as specified.

CHARLES SEARS.

Witnesses:

EDMUND ADCOCK,
H. M. MUNDAY.