

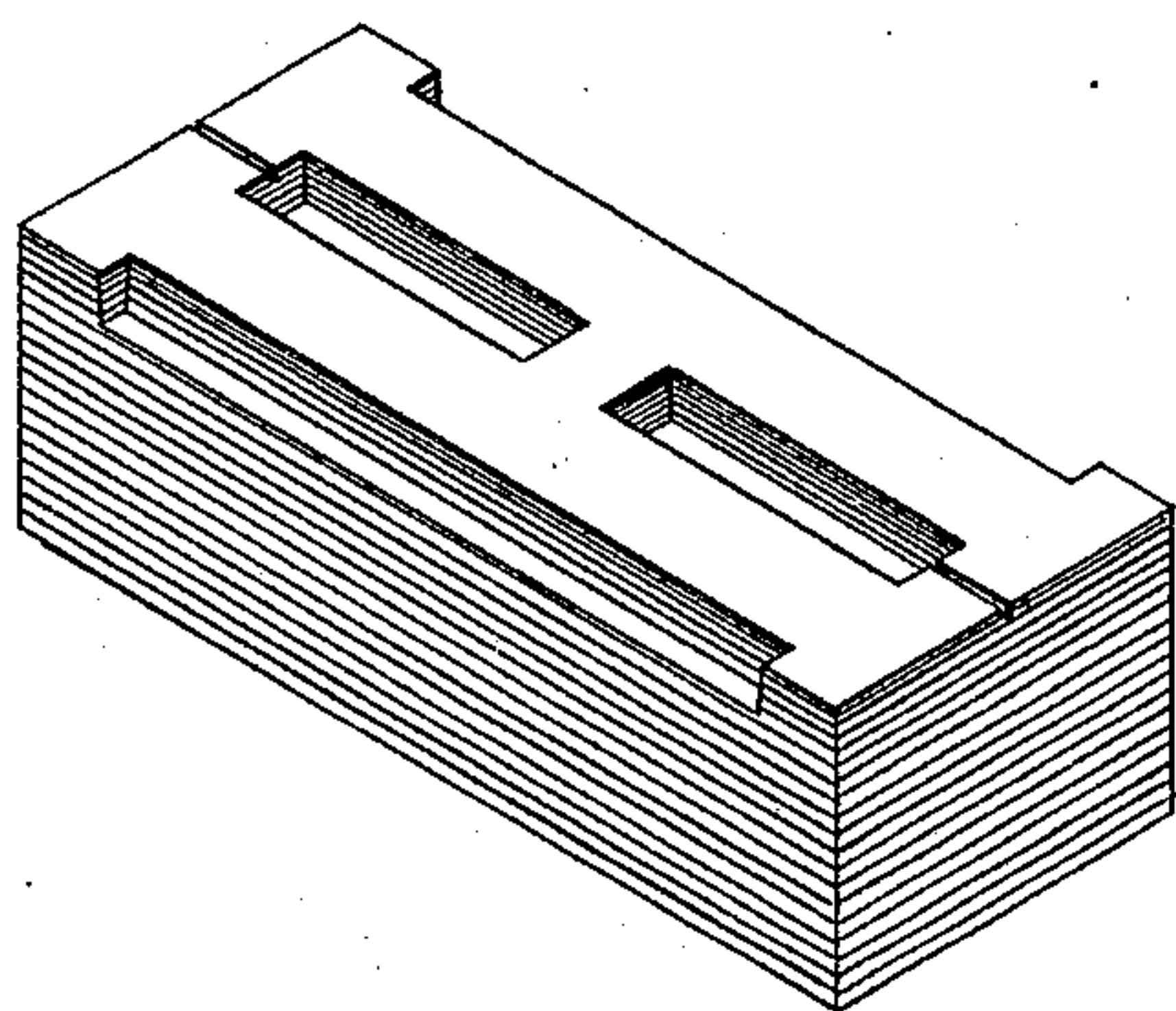
(No Model.)

E. D. LARAWAY & E. BRIDGE.

MANUFACTURE OF TYPE.

No. 355,768.

Patented Jan. 11, 1887.



Witnesses.

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UNITED STATES PATENT OFFICE.

ELBERT DEMUN LARAWAY, OF HARTFORD, AND EPHRAIM BRIDGE, OF HAZARDVILLE, CONNECTICUT, ASSIGNORS, BY MESNE ASSIGNMENTS, TO THEMSELVES, AND GEORGE W. LARAWAY, OF BOSTON, MASS.

MANUFACTURE OF TYPE.

SPECIFICATION forming part of Letters Patent No. 355,768, dated January 11, 1887.

Application filed March 29, 1886. Serial No. 196,919. (No model.)

To all whom it may concern:

Be it known that we, ELBERT DEMUN LARAWAY, of the city of Hartford, and EPHRAIM BRIDGE, of Hazardville, in the county of Hartford and the State of Connecticut, have invented a new and useful Improvement in the Manufacture of Printers' Types or Printing-Blocks, &c.; and we do hereby declare the same to be described in the following specification.

The accompanying drawing is a perspective view of a type of our improved kind.

Types or printing blocks, as usually made from wood more or less carved into the required shape, are very difficult to clean on account of the ink used in printing with them permeating or becoming absorbed by them.

Our improved type or printing-block will not absorb the ink, which can be readily and easily removed from the letter or letters or figures of such type or block as occasion may require.

In the manufacture of such types or printing-blocks we take paper-pulp made of animal or vegetable fiber, or both, and desiccate it and reduce it to a powdered or comminuted state, after which we thoroughly mix with it a waterproofing liquid or material—such as paraffine-oil or a drying linseed-oil, for instance. Next we dry the mixture, and subsequently pulverize it. In its pulverized state

we introduce the mixture into a mold of the requisite construction to produce the desired article, type, or block, and then subject the mixture to pressure to consolidate it and heat to render tacky or adhesive the waterproofing material. Finally we gradually cool the article while in the mold, so as to cause it to retain its shape and solidity.

We claim—

1. The process, substantially as described, for producing an article, type, or printing-block from paper-pulp, such process consisting in desiccating the material, reducing it to a powdered or comminuted state, mixing with it a waterproofing liquid or material, drying and pulverizing the mixture and introducing it into a mold and there subjecting it to heat and pressure, and subsequently cooling it while firmly held in the mold, all essentially as explained.

2. As an improved article of manufacture, a printing type or block, substantially as described, composed of paper-pulp and paraffine-oil or a waterproofing liquid or material, dried, pulverized, and molded, and subjected to heat in the process of molding it, as set forth.

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Witnesses:

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