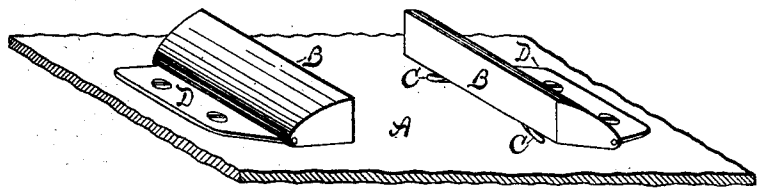
(No Model.)

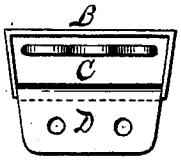
J. B. VALLEE.

Dovetail Pattern.

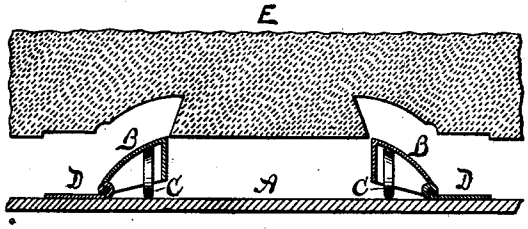
No. 237,146. **Patented Feb. 1, 1881.**



-FIG-1-



-FIG-3-



-FIG-2-

-WITNESSES-

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UNITED STATES PATENT OFFICE.

JOHN B. VALLEE, OF TROY, NEW YORK.

DOVETAIL-PATTERN.

SPECIFICATION forming part of Letters Patent No. 237,146, dated February 1, 1881.

Application filed May 3, 1880. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. VALLEE, of the city of Troy, in the county of Rensselaer and State of New York, have invented a new and useful Improvement in Dovetail-Patterns, of which the following is a specification.

This invention is designed as an improvement upon certain other improvements in dovetail-patterns for which an application for Letters Patent of the United States was filed by me on the 8th day of December, 1879, the nature and objects of which were fully set forth therein, said improvement consisting in substituting for the pegs and pins (shown and described in application aforesaid) hinged attachments, by means of which, when combined with other portions of the device, also previously specified, similar operations may be performed and the same purposes more readily effected.

In the accompanying drawings, Figure 1 is a perspective view; Fig. 2, a sectional view taken through dotted line *x x* in Fig. 1, and Fig. 3 a bottom view of hinged side piece detached.

Similar letters of reference in each indicate corresponding parts.

A represents portion of main pattern, and B B represent recessed side pieces provided with springs C C, as in former device, said side pieces being pivoted to hinged plates D D, which may be attached to main pattern aforesaid by screws or solder, as most convenient. E in Fig. 2 shows part of cope.

When in operation the side pieces are raised by action of the springs to release the cope, when the same is lifted off in a similar manner, and as more fully described in previous application, the advantages over former device being the simpler and cheaper construction, the readier manner in which the side pieces may be connected with main pattern, and the greater certainty and ease of operation. When, as in this device, a fixed pivot is provided in rear of side pieces, which, on account of the increased leverage thus afforded, admits of the same being more readily raised by the springs or lifted upon withdrawing the cope, lateral slipping of the parts upon each other is also avoided, as liable with former construction.

As in previous application, I do not claim, broadly, side pieces that may be raised or swung back on lifting the cope. Nor do I claim, broadly, hinges for connecting the side pieces with main pattern; but

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

In patterns for molding dovetails, the combination of the recessed and hinged side pieces, B B, springs C C, and stationary hinged plates D D with the main pattern A and with each other, substantially as shown and described, for the objects herein set forth.

JOHN B. VALLEE.

Witnesses:

L. R. BECKLEY,

H. LISLE FLEMING.