

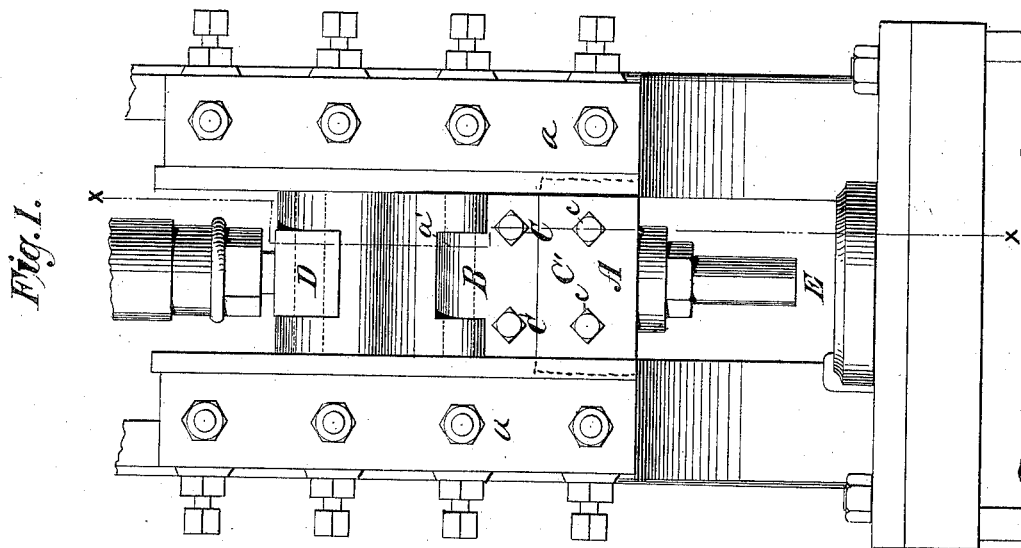
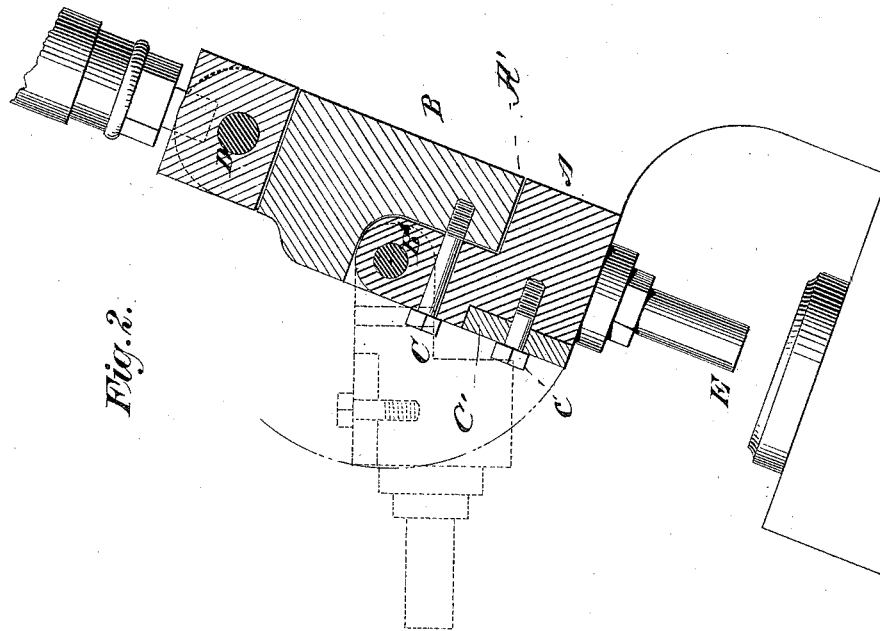
(No Model.)

D. F. DWYER.

TOOL STOCK.

No. 302,898.

Patented Aug. 5, 1884.



WITNESSES:
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UNITED STATES PATENT OFFICE.

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TOOL-STOCK.

SPECIFICATION forming part of Letters Patent No. 302,898, dated August 5, 1884.

Application filed February 1, 1884. (No model.)

To all whom it may concern:

Be it known that I, DANIEL F. DWYER, a citizen of the United States, residing at No. 171 Classon avenue, in the city of Brooklyn, county of Kings, and State of New York, have invented a new and useful Improvement in Tool or Die Holding Stocks; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

This improvement relates to "stocks" for holding the die or punch in machines by which the various operations of cutting and forming metal and other materials are effected. Its object is to provide means whereby the punch or die can be swung outwardly and upwardly in such manner as to render easy and simple the repair or removal of the same.

With this end in view the invention consists, substantially, in the holder or stock as constructed, and in such combinations of parts as will be hereinafter distinctly pointed out and claimed.

Referring to the annexed drawings, Figure 1 represents a vertical front elevation of a stock or holder constructed according to my invention, and embodying in connection therewith as much of a machine as is necessary to illustrate its working. Fig. 2 represents a side view in vertical sectional elevation of the stock proper, to more clearly show its construction, the manner of swinging the lower portion or section outwardly and upwardly being fully represented in dotted lines.

Reference being had to the several parts by letter, *a a* represent two vertical standards, between which the stock moves and is guided vertically.

A' represents the complete stock, which is comprised of upper and lower portions or sections, *A B*, the upper one being pivoted at *D*, as shown, so as to permit the entire stock to be swung outwardly, as well as the lower section thereof. The construction of the lower portion, *A*, is a counterpart of the construction of the upper section, *B*, and the front

face of the first named is formed with a projection, *a'*, which fits into a corresponding recess in the latter, or vice versa, and is pivotally held therein by a pin, *B'*, as shown.

C C represent set-screws for securing the two sections together when the machine is in operation.

C' represents a removable plate, fitting on the front face of the lower section of the stock and flush therewith, the same being secured by screws *c c*. This plate extends a little beyond the section *A* at the sides and acts to guide the stock between the standards *a a*. (See dotted lines, Fig. 1.) When desired to either swing the entire stock outwardly or the lower section thereof, the screws *cc* are to be removed and the plate *C'* slipped down and out from between the standards.

The construction of the upper end of the upper section, *B*, and the part to which it is pivoted, as at *D*, is substantially the same as that shown and described, by which one section of the stock is pivoted to the other.

From the above description it will be apparent that when it is desired to repair the punch or die it will only be necessary to first remove the screws *c c* and plate *C'*, then remove the set-screws *C* and swing the lower section, *A*, outwardly, as shown in dotted lines, thus obviating the necessity of entirely removing the same. It will further be apparent that one section can readily be replaced by another, and that the several parts can be easily and cheaply manufactured.

Having thus described my invention, what I claim is—

The combination, with the upper section, pivoted as described, and having the recess, of the lower section having a projection fitting in said recess, the pin *B'*, plate *C'*, set-screws *C* and *c*, and punch or die *E*, substantially as shown and set forth.

DANIEL F. DWYER.

Witnesses:

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JOHN D. HART.