S. P. FRENCH.

MATERIAL HOLDER FOR DRILLING MACHINES.

APPLICATION FILED AUG. 8, 1908.

935,010. Patented Sept. 28, 1909.

Fig. 1.

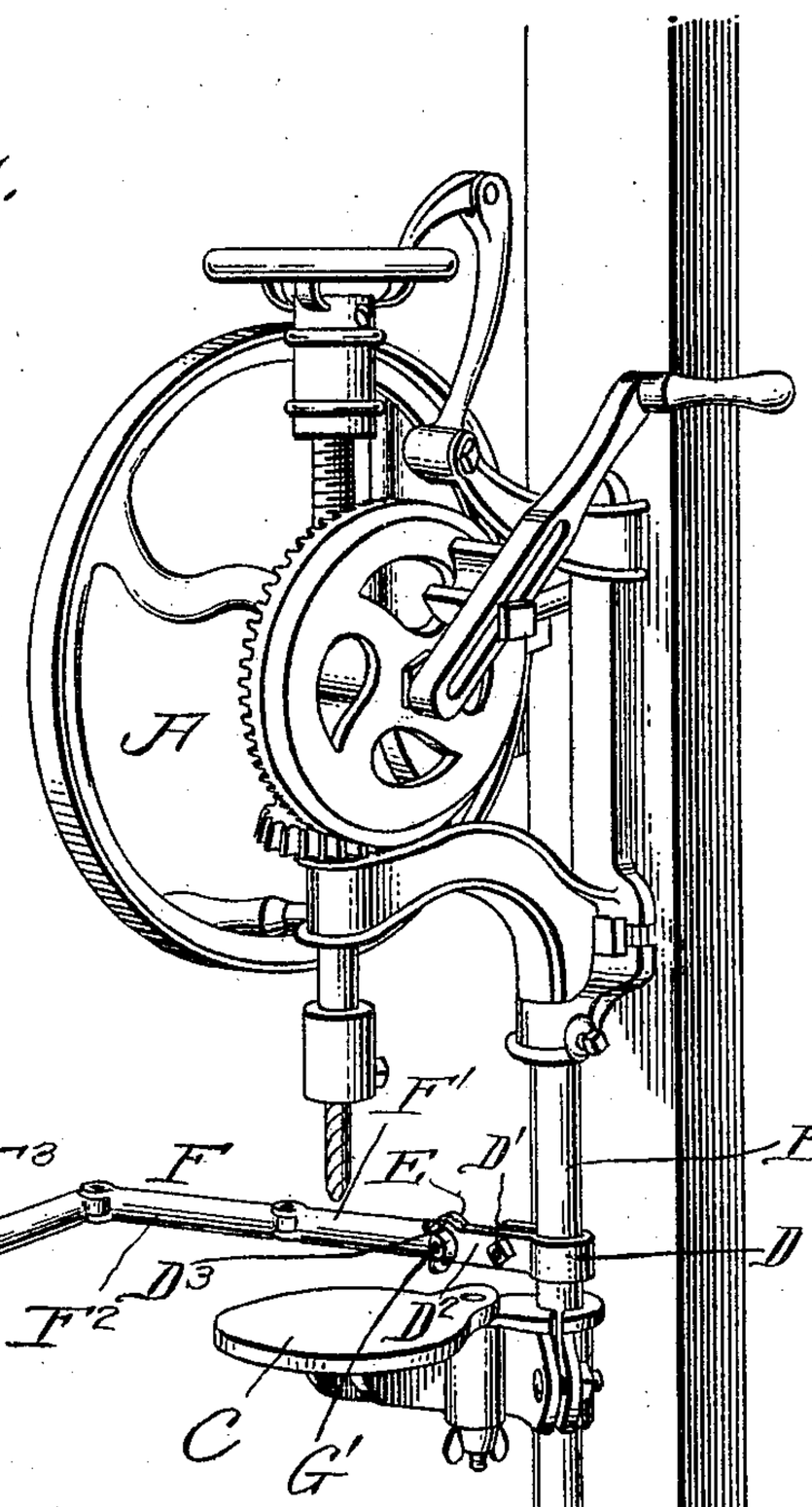
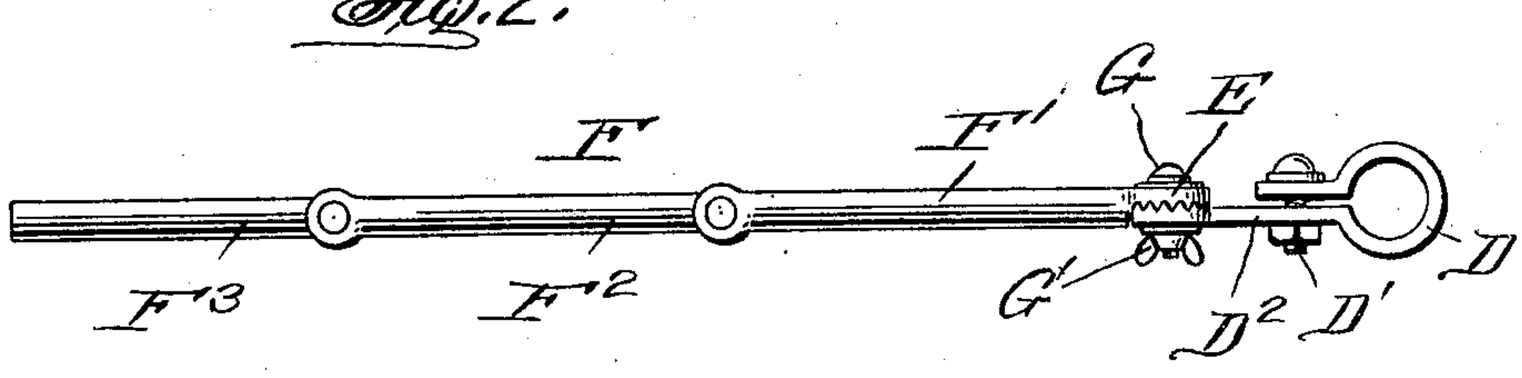


Fig. 2.



Witnesses

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MATERIAL-HOLDER FOR DRILLING-MACHINES.

935,010. Specification of Letters Patent. Patented Sept. 28, 1909.

Application filed August 8, 1908. Serial No. 447,651.

To all whom it may concern:

Be it known that I, STEPHEN P. FRENCH, a citizen of the United States, residing at Edison, in the county of Morrow and State of Ohio, have invented a new and useful Improvement in Material-Holders for Drilling-Machines, of which the following is a specification.

This invention relates to material holders for drilling machines, the object being to provide a holder which can be quickly attached to the ordinary drilling machines now in use, so that the material being drilled if it is exceptionally large, will be held in position on the bed-plate.

Another object of my invention is to provide a holder which is formed of a plurality of sections pivotally connected together, whereby it can be quickly moved into any position desired.

A still further object of the invention is to provide a holder which can be adjusted vertically, so as to throw the material being drilled at any angle desired in respect to the drill.

A further object of my invention is to provide a holder which can be quickly folded up and dropped out of the way when not in use.

With these objects in view, the invention consists in the novel features of construction, combination and arrangement of parts, hereinafter fully described and pointed out in the claims.

In the drawing forming a part of this specification:—Figure 1 is a perspective view of the drilling machine showing the application of my improved holder. Fig. 2 is a top plan view of a holder detached.

Referring to the drawings A indicates an ordinary drilling machine which is mounted on the ordinary tubular support B, on which is secured the work-supporting bed-plate or table C, the above description being given so that my improved invention can be readily understood.

My improved work-holder comprises a clip D adapted to be secured around the support B by a bolt—D′ and the clip is provided with an outwardly extending arm D^2 having an enlarged apertured portion D^3 at its end, which is provided with teeth adapted to mesh with the enlarged toothed-portion E of a section F′ of the arm F, and is secured thereto in its adjusted position by a bolt G so that the arm F can be easily and quickly adjusted, the bolt being locked by a thumb-nut G′. Pivotally connected to the section F′ of the arm F is a section F^2 to which is pivotally connected a section F^3, the sections being pivotally connected together so that they can swing horizontally, whereby they can be thrown into any position desired, so that a piece of material being drilled if too large to rest upon the bed-plate can be supported by the same, thereby overcoming the difficulties now existing of the operator having to support the same and operate the drill at the same time.

From the foregoing description it will be seen that I have provided a very novel holder for supporting the material on the bed-plate which is so constructed that it can be used on either side of the bed-plate or swung around in front of the same.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. A material holder for drilling machines, comprising a clip adapted to be secured to the machine support, a sectional arm comprising a plurality of sections pivoted together to swing in one plane and pivotally connected to said clip in a plane at right angles thereto and means for locking said arm in its adjusted position.

2. In a device of the kind described, the combination with the table of a drilling machine, of a clip secured around the support of said machine provided with an arm, a sectional arm pivotally connected to the first mentioned arm, means for locking said arm in its adjusted position in respect to the fixed arm, said sectional arm comprising a plurality of horizontally pivoted sections.

3. A material holder for drilling machines comprising a sectional arm composed of a plurality of horizontally pivoted sections, one end of said arm being adjustably secured to a clip, adapted to be secured to the support of the machine whereby said arm can be adjusted in respect to the table of the same.

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Witnesses:
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