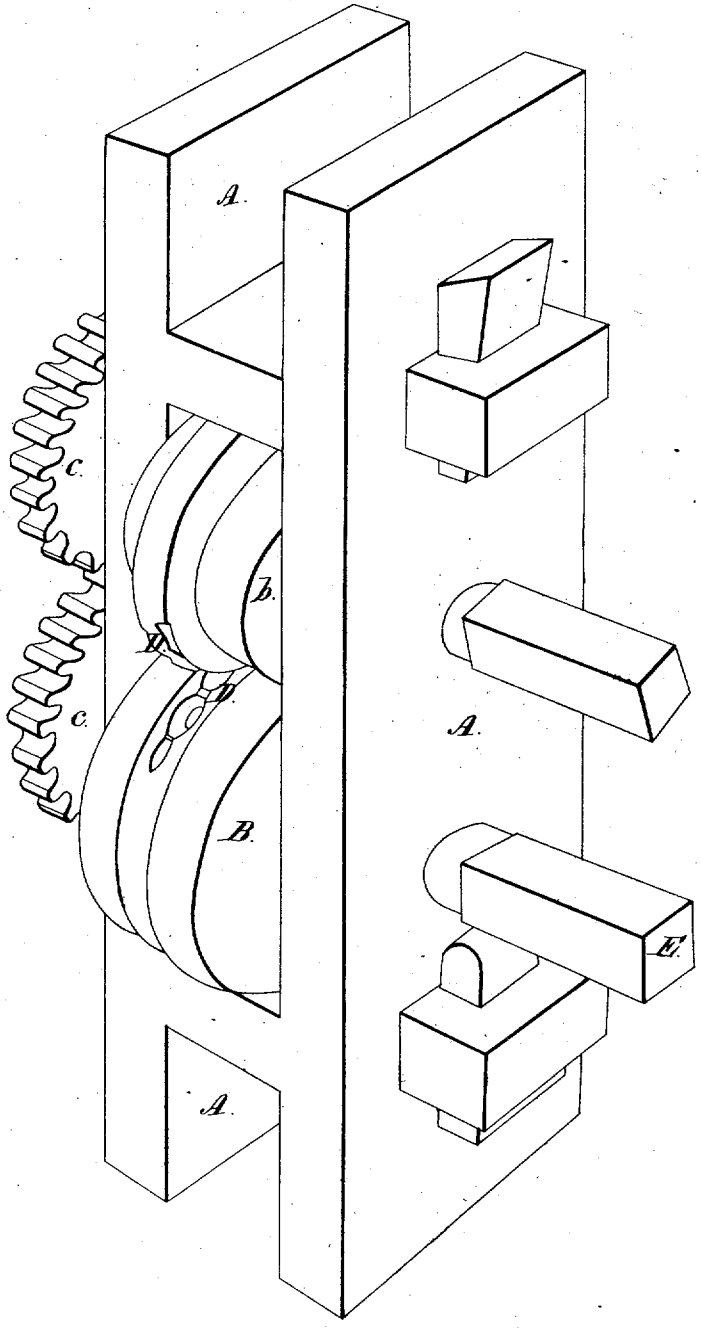
5942X

E. L'Hommedieu.

Rolling Die.

Patented Apr. 28, 1830.



THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

X5942 Dec. 26. 1830 403

Ezra L'Commeddieu

Letters Patent.

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Ezra L'Commeddieu himself of his improvement in the machine for shaping Hammers, Spike Gimblets and Pod augers.

The machine of which I claim the invention is constructed & put in the following manner (Viz) The frame or clamps consist of four rectangular pieces of cast iron of about two inches in thickness by eight inches wide, and the side or upright pieces are about three feet long with mortises near their ends to receive the tenons of the cross pieces, which are about four inches long between joints. The frame should be firmly keyed together leaving the inside quadrangular about six by twenty four inches in the clear. In this frame is placed two cast iron Rolls about four inches thick and about eleven inches diameter with necks or bearings extending through the side pieces in which they turn. three of these necks are three inches diameter, and two of them extend without the frame about four inches to receive spur wheels by which the leading roll is turned by the driving roll. One neck upon the lower roll opposite the cog wheel side should be about four inches in diameter and made to receive a socket or coupling box to couple it to the driving shaft by which it may be put in motion. Upon the edge or periphery of the lower or driving roll is made a groove about half an inch deep. in which is inserted a proper die to shape one side of the hammer. Gimblet or Auger as may be wanted, and upon the edge of the other roll is raised a tongue or list projecting about half an inch in which is inserted a proper die to shape the other side of the implement wanted or required. These rolls must be of one diameter at the working parts and the tongue of one must fit the groove of the other. and the spur wheels by which they are connected must be of one pattern or diameter. that they may move together without slipping. This machine may be put in motion by any adequate power being applied to the driving shaft. which is coupled to the driving roll. and the dies must

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be placed in the rolls, so as to give the requisite impression to the blank, the shape of which is first known in steel, by the [illegible] to the form desired. By this machine much time and labour may be saved in shaping the above mentioned articles. N.B. I claim not the application of the above described machine to shaping the articles said is my discovery and for which I shall claim a Letter Patent.

For a further illustration of the machine I refer to the drawing accompanying this Specification. As testimony whereof I have hereunto set my hand and seal this 21st day of January A.D. 1830.

Witness
Saml. Knight
Phebe Clarke

Ezra. L. Commediew

(Patented April 28th 1830)