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W. Jones,

Making Puddlers' Balls,

Patented Apr. 18, 1834.

Fig. 2

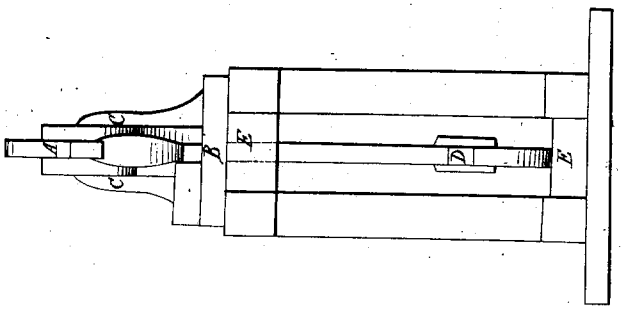


Fig. 3

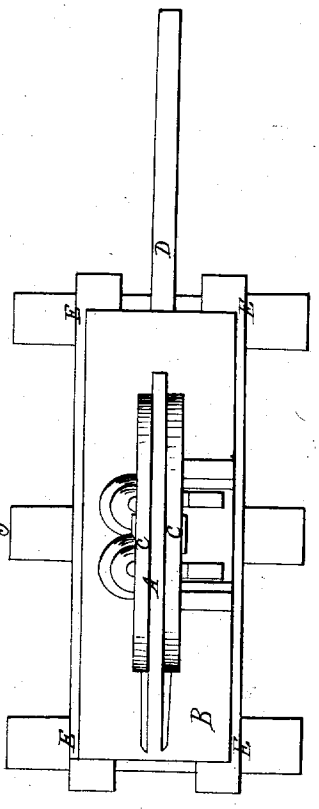
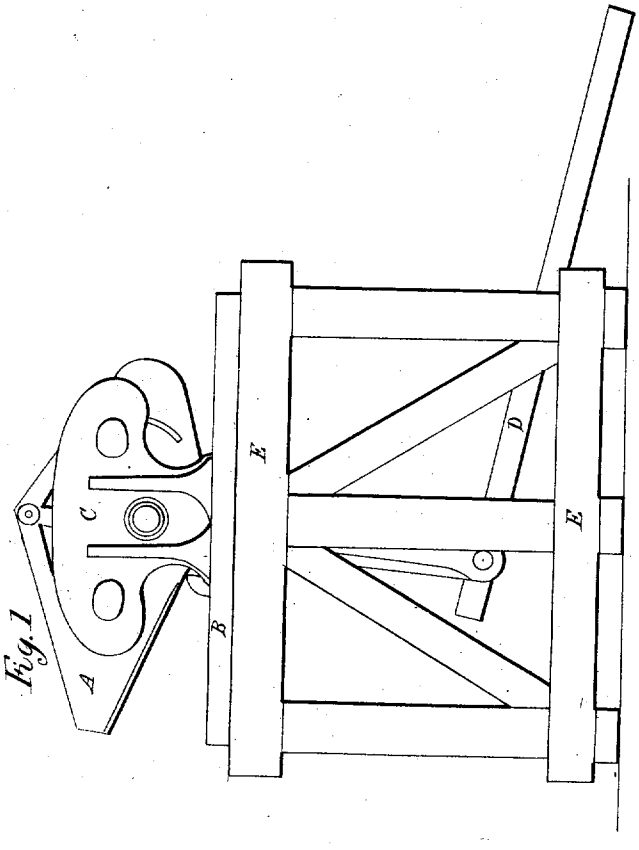


Fig. 1



N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

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Apl. 18. 1834 449.

William Jones. Haverstraw Rockland Co. N.Y.

Letters Patent:

The Schedule referred to in these Letters Patent and making part of the same containing a discription in the words of the said William Jones himself of his improvement in the machine for forging out Puddling Balls & other iron instead of hammering the same out

To all to Whom these Presents shall come.

Be it known that I William Jones of Haverstraw in the County of Rockland and State of New York have invented a new & useful machine — for forcing out Puddlers Balls & other Iron instead of hammering the same out and that the following is a full and exact discription of said Machine as invented by me

Viz — The Machine consists of a beam of Cast Iron called the Squeezer moving on a pivot by means of a lever & crank & a cast iron bed on which the iron and Balls to be pressed out are placed — The Squeezer is of a triangular form and may be single or double resembling two triangles joined at their bases — The centre of the squeezer moves upon a pin of wrought iron on which the Squeezer turns — This pin rests on two upright cheeks standing upon each side of the Squeezer. The tops of the upright cheeks being of an oval form extending along the sides of the Squeezer to prevent cracking — one of the cheeks is cast solid with the bed plate. The other is removable at pleasure being fastened between two straps attached to the bed plate by means of wedges — The bed consists of a cast iron plate of about four inches thickness — The squeezer is moved in various ways. The most simple is by means of a lever to the end of which is attached a connecting rod passing diagonally to a crank placed at a convenient distance. The other machines

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is confined in a strong frame made of iron as now about six feet in height & when at rest the upper end of the machine between the upper & the bed is about 15 inches & at the lowest about four inches

The rollers or balls to be pressed out are placed on the bed at the mouth of the press & gradually pushed forward towards the anterior part at each revolution of the crank

The pressure using from four to nine inches at each revolution may be increased or diminished at pleasure

Witness

N. B. Blunt

John Gray

William Foxes

418 wds

(Granted April 8. 1834)