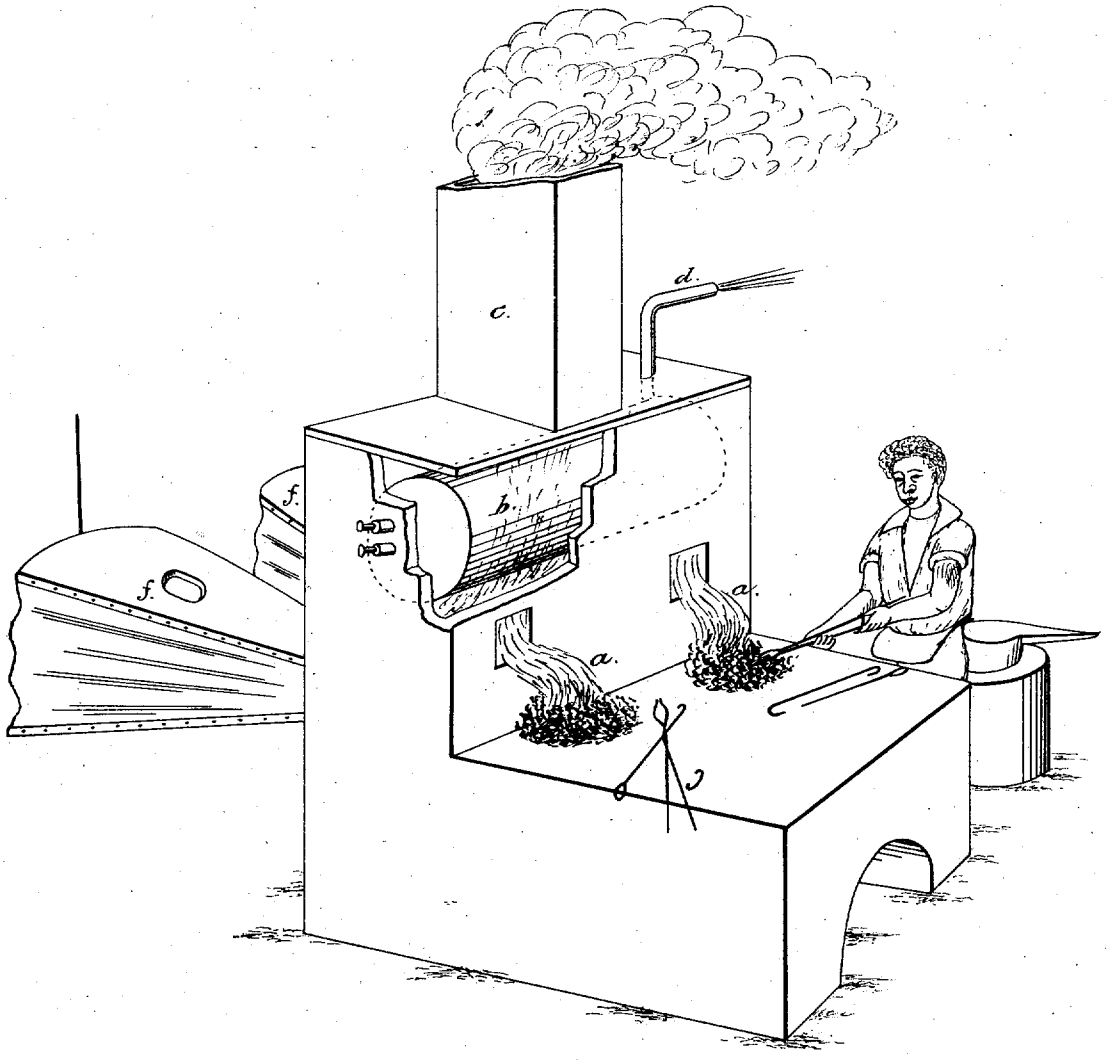
9028X

T. V. Leroy,

No Printed Specification Availab

Forge,

Patented Aug. 17, 1835



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

90288X Aug. 14 1883 169

Isaac V. Leroy of Newport, State New York.

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 Isaac V. Leroy himself of his improvement in the use and application of fire or heat heretofore lost in the generation of Steam,

To all to whom these presents shall come,

Be it known that I Isaac V. Leroy of New port in the county of Herkimer and State of New York, have invented a new and useful improvement in the economy, use and application of fire or heat in the generation of Steam or Steam power, to operate a steam engine to drive any machinery which may be attached to such engine and the following is a full and exact description of such improvement in the economy use and application of such fire or heat in the generation of such steam or steam power and is intended to be applied to practical use, and may be applied to practical use in the coal fires of Blacksmiths shops, Gun smiths, Lock smiths, Anchor shops, Engine shops, Iron forges, and all such coal fires as are now commonly used for heating, welding, fusing, or melting iron or other metals or substances, for the purpose of blowing the bellows to such fires and operating a common steam engine to drive such machinery as may be desired & to which such power may be adequate or sufficient, Set a common steam boiler of any suitable construction, size and shape in brick or other convenient materials so that it shall be in contact with the coal fires or heat used for heating or fusing iron or other metals or substances and attach to such boiler a common steam engine of such strength and size as may be required for the purpose for which it is intended to be used and the heat of such coal fires commonly used for heating or melting or fusing iron or other metals or substances.

applied to such steam boilers generate steam or steam power in proportion to the quantity of coal used in such fires. which power may be applied to the blowing of the bellows for the same fires or for driving any machinery to which steam power is applicable and to which the power of the steam thus generated may be adequate, what I claim as my own discovery or invention and not previously known is the consuming and using the heat heretofore escaping without use from such coal fires as are now commonly used for heating, melting or fusing iron or other metals or substances by placing a common steam boiler of suitable common construction size & shape so that it shall be in contact with the coal fires or heat, now used for heating melting or fusing iron or other metals or substances so as to generate steam or steam power by such fires or the heat there of escaping heretofore without use, and attaching to such boiler in the manner now commonly used, a common steam engine suitable for the purposes for which it is designed to be used, and such engine may be used for any purposes for which stationary steam engines are now used, & to which the power thus obtained by generating steam by such fires, may be adequate and sufficient

Dated at Newport R.I. 6th of June 1835.

Witness,

Jeremiah Cory

Ebez Knapp

Janis V. Leroy