STOVES & FURNACES,
Stoves, Cooking,
Combined cooking & heating stove,
6 Air heating.

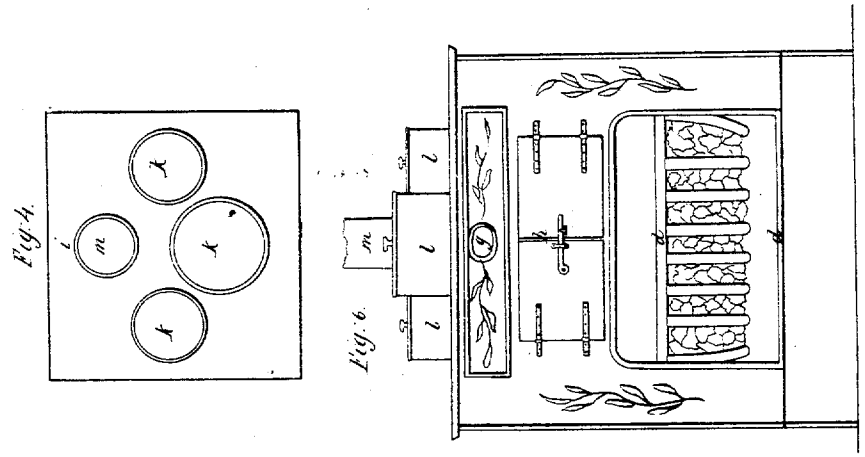
EXAMINER.

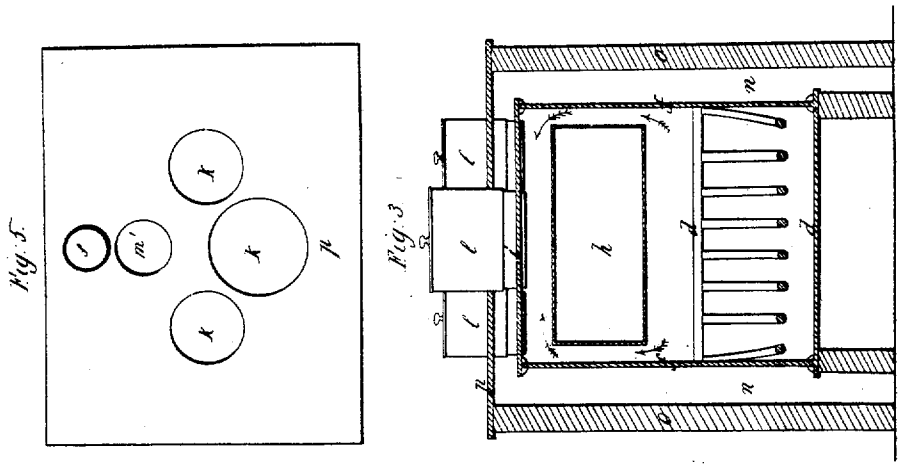
J. W. & E. Hirk.

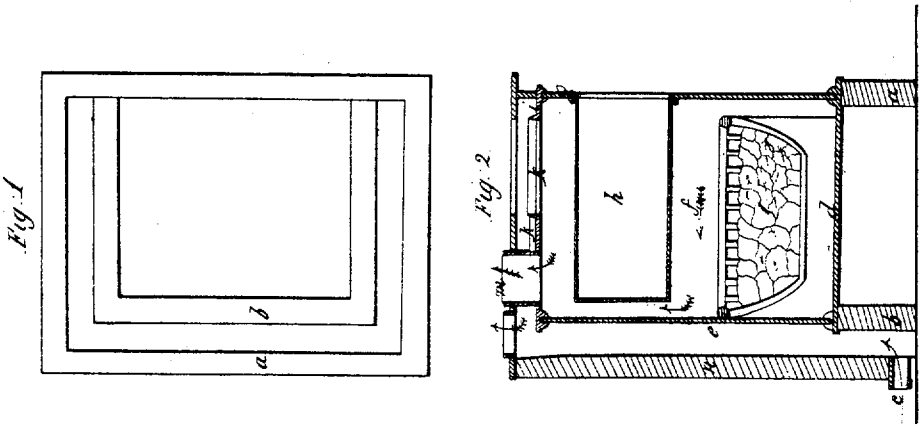
Cooking Stove.

7,735 ✕

Patented Aug. 30, 1833.







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

8/30/1833 7735X

Aug. 30 1833 111

Jeremiah H. Kirk & Cole Kirk. Allegany.

Letters Patent.

The Schedule referred to in these Letters Patent and making part of the same, containing a description in the manner of the said Jeremiah H. Kirk & Cole Kirk's improvement in the mode of heating air for diffusion through houses by a thimble or machine called "A fuel saving house heater & cooking stove."

To all to whom these presents shall come. Be it known that we Jeremiah H. Kirk & Cole Kirk, natives citizens of the United States & residents of the City of Philadelphia in the State of Pennsylvania, send greeting: Be it known that we the said Jeremiah H. Kirk & Cole Kirk, have jointly invented, constructed and made & applied to use a new & useful improvement in the mode of heating air for diffusion through houses by a thimble or machine called "A fuel saving house heater and cooking stove" of which the following is a description. The object of this improvement is to heat air for diffusion thro' the house by the agency of the same fire which is employed in cooking & of keeping the stove thereby entirely separate from and unaffected by the dirt, soot, ashes or other effects incident to the cooking and this object is attained by a thimble or machine of the following kind, the proportions, width & height of which parts may of course be varied according to the size or shape required. Build of fire brick, an oblong hollow square of brick or stone work, say about three inches thick, in the manner above, along three of its sides and about three inches from them, build three sides of another oblong square of brick or stone work, one extremity of each of the short sides of which must be attached to the front & for the use of the outer wall; into the rear or back side of the outer wall, insert a tube or tubes, or make one or more openings for the admission of the air, together with any other apparatus which may be attached to the same when any is required to be used along the apparatus of the

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the three inner walls and reaching over and covering the distance of as much of the front wall as lies between the outer sides of the back side of the inner walls, the wall arches upper surfaces are thus covered by the stove plate being all of uniform convenient height. Now put up the back side plate of the stove (which must be plain plates) resting them respectively on the bottom plate, upon the back side walls of the inner walls. The front plate of the stove (when ornamented as thought proper) must correspond in size with the back plate, except that its height must be extended as far as may be found necessary to meet & join the uppermost plate of the hereafter described, and it must have the proper openings for the gate & for an air immediately over the gate; the air must be constructed to touch the front plate and be fastened in its position by one or more screw bolts, so as to admit the fire heat to pass all round it. The top plate of the stove must correspond in size with the bottom plate, & must have properly shaped & sized holes to admit the bottom or bottoms of one or more boilers & a pipe hole over the centre of the air; around each of the holes in the top plate of the stove, let there be ledges or shoulders to rest and secure in their places new built up the back and side walls of the outer oblong square inside measure of the front as may be necessary until they reach any three inches higher than the top plate of the stove, then let another plate cover the entire stove, resting on the tops of the walls and of the front plate, (of course of a uniform convenient height) this cast iron plate having such holes or openings in it as may be necessary to receive the ledges or shoulders above mentioned, and having another hole or opening any one third larger than the pipe hole, in the rear of the pipe hole & communicating as it necessarily must with the open space between the stove & the uppermost cast iron plate. Between the outer & inner walls of the three sides, but the back (at each hole or opening of the uppermost cast iron plate, there is admitted from without by a tube or tubes or other openings in the back outer wall, as before described, heated in passing between the walls of stove, while it is kept wholly separate from the cooking apartment is ready to be diffused by

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[illegible] Specification, [illegible] throughout the Invention.
The Claim or Claims, or such improvements as he desires to Patent, the
Combination of what we would term our Invention with the
working Gear, in Manner we have described it, or Heating and
Steaming all the Heat thereon out by the back Side of the Stove
or Steam Cake one fine Plate, and the Manufacture and Use of Hop Pipes
of both Heating Metal for the purpose of working, preserving Flavour &
Advantages of equal Value in using.

In testimony that the foregoing is a true Specification
of our said Invention we have hereunto
set our hands this Seventeenth day of August in the Year of
our Lord, one thousand eight hundred & thirty three.

Witnessed
Geo Mercer
J. Badger

Joseph H. Kirk
Eli Kirk

Capt.
Mfr.

Drawing

96 [illegible]