(12) **United States Patent**
Thorp

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(54) **COOKING STOVE**

(76) Inventor: **Gould Thorp**

Gould Sharp, of 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 Gould Sharp himself of his improvement in the cooking stove.

To all to whom it may concern:

Be it known that I Gould Sharp of the City of New York have invented certain improvements in the cooking stove for which Letters Patent of the United States were granted to Philetus Holly on the first day of March 1838; and I do hereby declare that the following is a full and exact description of my said improvements.

I do not think it necessary to describe the said Holly's stove, as it is well known and is now public property, and the specification thereof is in the Patent Office. The improvements which I have made consist principally in the arrangement of the parts for arranging the flame, a double sliding damper to surround close each flue, and the contracting of the fire place so as to economize fuel. The smoke pipe hole is at the back part of the stove immediately over the flue behind the oven, and I make a flame flue the whole width of the oven, part of the flame, which I generally cause to ascend in the smoke flue, in a way similar to that adopted by Holly, or instead of this, a tube or tubes, may be continued back so as to admit a thimble or otherwise, from the great length of the throat or opening of this flue in front it renders effectually the removal of the flame from the boiler. Skirt round the immediately over the fire. Sunny the flues for heating air all around them, as made use by Holly. The upper flue being below the flame flue above mentioned, and I make dampers or shutters to close the vertical flues at front and back, to cause these shutters or dampers to be regulated by

Holly

rods or bars from one to the other so that they may both be operated upon by one common lock, or handle extending through the back or front plate of the arm; by means of which when one of these flues is closed the other is entirely open, or the dampers may be moved so far only as to leave them both partially open, thus affording an opportunity to regulate and direct the draught in any way which may be desired. In order to contract the fire place, and yet allow the fire to act directly and fully upon the bottom of the boiler immediately over the fire, I bring the lower plate of the arm forward into the fire place, say three or four inches more or less, it then bends down vertically and then again turns horizontally and meets the back plate of the fire place; by increasing or diminishing the dip formed by the projection and bending of the lower arm plate as described, the fire place may be contracted in any desired proportion, allowing sufficient depth for the bottom of the boiler to. The boiler plate above the fire may have its two openings thrown into one by the division plate between them being made moveable as is done in some other stoves. I also make an opening for a boiler above the arm, by connecting the two plates which constitute the damper flue by means of a rim. What I claim as my improvement upon Stelly's stove, is the constructing of the damper flue in manner above described; the double sliding dampers operating in the manner and for the purposes set forth; and the manner of contracting the fire place by bringing the back plate thereof forward.

Witnesses
B. Mullerdell
David B. Thorp

David B. Thorp.

(Patented June 25. 1836.)