

T.W. Wisner, Imp^l in Stoves

PATENTED

72145

DEC 10 1867

Fig. 1

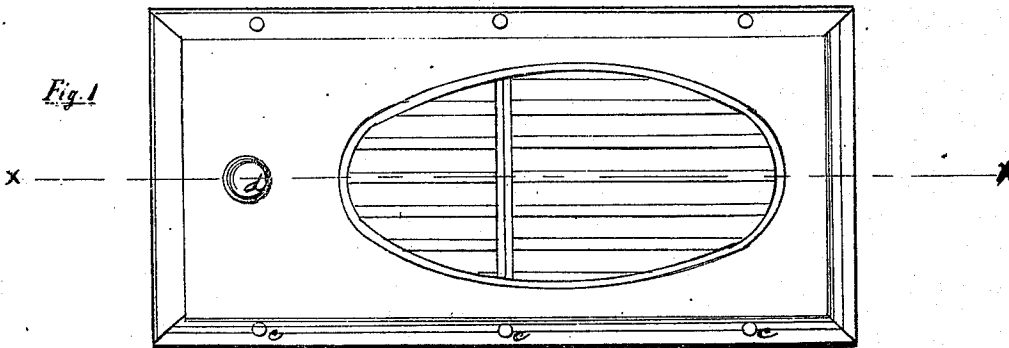


Fig. 2

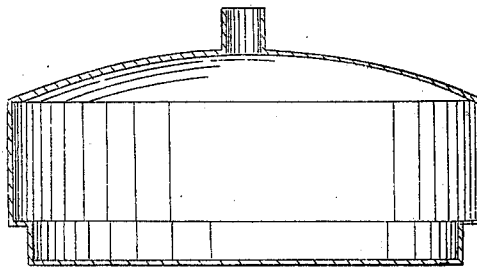
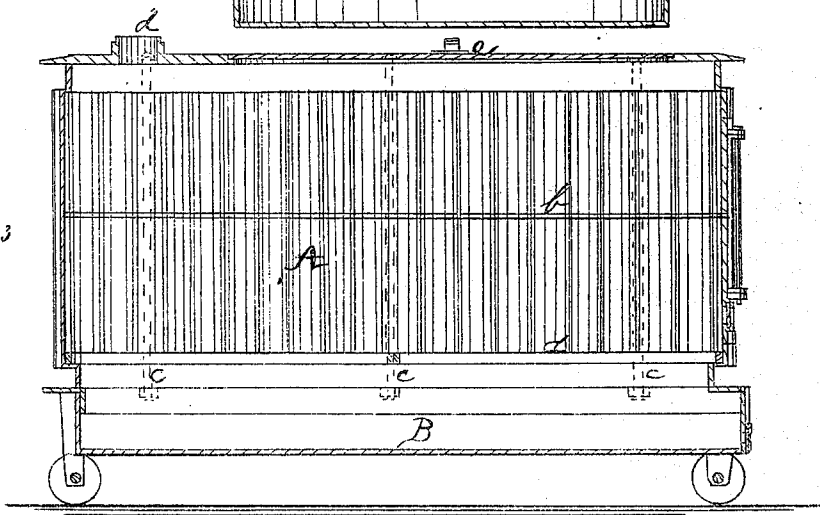


Fig. 3



Witnesses
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T. W. WISNER, OF HOWELL, MICHIGAN.

Letters Patent No. 72,145, dated December 10, 1867.

IMPROVEMENT IN STOVES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, T. W. WISNER, of Howell, in the county of Livingston, and State of Michigan, have invented a new and useful Improvement in Stoves; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved method of constructing those stoves which are used for drying purposes, or for heating water or steaming vegetables, and for all other purposes of a similar nature; and the invention consists in forming an adjustable grate, which grate occupies the whole interior superficial area of the stove, and also in rendering the stove portable by providing for supporting the same on truck-wheels, which allows of its being transported from place to place, as may be required.

Figure 1 represents a top view of the stove with the boiler-orifice open, through which the fire-grate is seen.

Figure 2 is a view of the steam-boiler, which is used for boiling water in barrels or other vessels by the use of a conducting-pipe attached to the top of the boiler.

Figure 3 is a vertical longitudinal section of the stove, through the line *x x* of fig. 1.

Similar letters of reference indicate like parts.

The sides and ends of the stove are made of corrugated iron plate. The stove is without a bottom otherwise than that formed by the ash-pit or pan which extends under the whole stove. The stove-grate is made in two or more sections, the back portion of which may have broader apertures between the bars than the front, for the purpose of preventing the accumulation of ashes and coals on the grate.

The stove has legs attached to its sides or ends, through which rods pass, upon the ends of which rods there are truck-wheels, upon which the stove is supported, and upon which it may be transported from place to place.

A represents the side of the stove, made of corrugated iron plate, as by this form it is not likely to be damaged by expansion and contraction under the influence of heat. The grate is placed at *b* by passing a rod through on each side of the stove for it to rest on. The ash-pit or pan may be attached to the stove permanently, as represented, or it may be loose and rest on the rods which support the truck-wheels. B is the ash-pit or pan; *c* represents rods which hold the plates of the stove together; *d* is the smoke-pipe; *e* is the cover to the boiler-hole.

The stove is more especially designed for hop-drying purposes; but for various operations around the farmhouse, as well as other places, it will be found extremely useful.

What I claim as new, and desire to secure by Letters Patent, is—

The portable hop-drying stove, constructed as described, of the corrugated side and end plates A, supported upon the ash-pan B, extending the entire length of the stove, and mounted upon wheels, the adjustable grate placed at *b*, in the centre of the stove, and the boiler, all arranged as described for the purpose specified.

T. W. WISNER

Witnesses:

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