

C. TRUESDALE.

Top Plate for Cooking Stoves.

No. 94,149.

Patented Aug. 24, 1869.

Fig. 1.

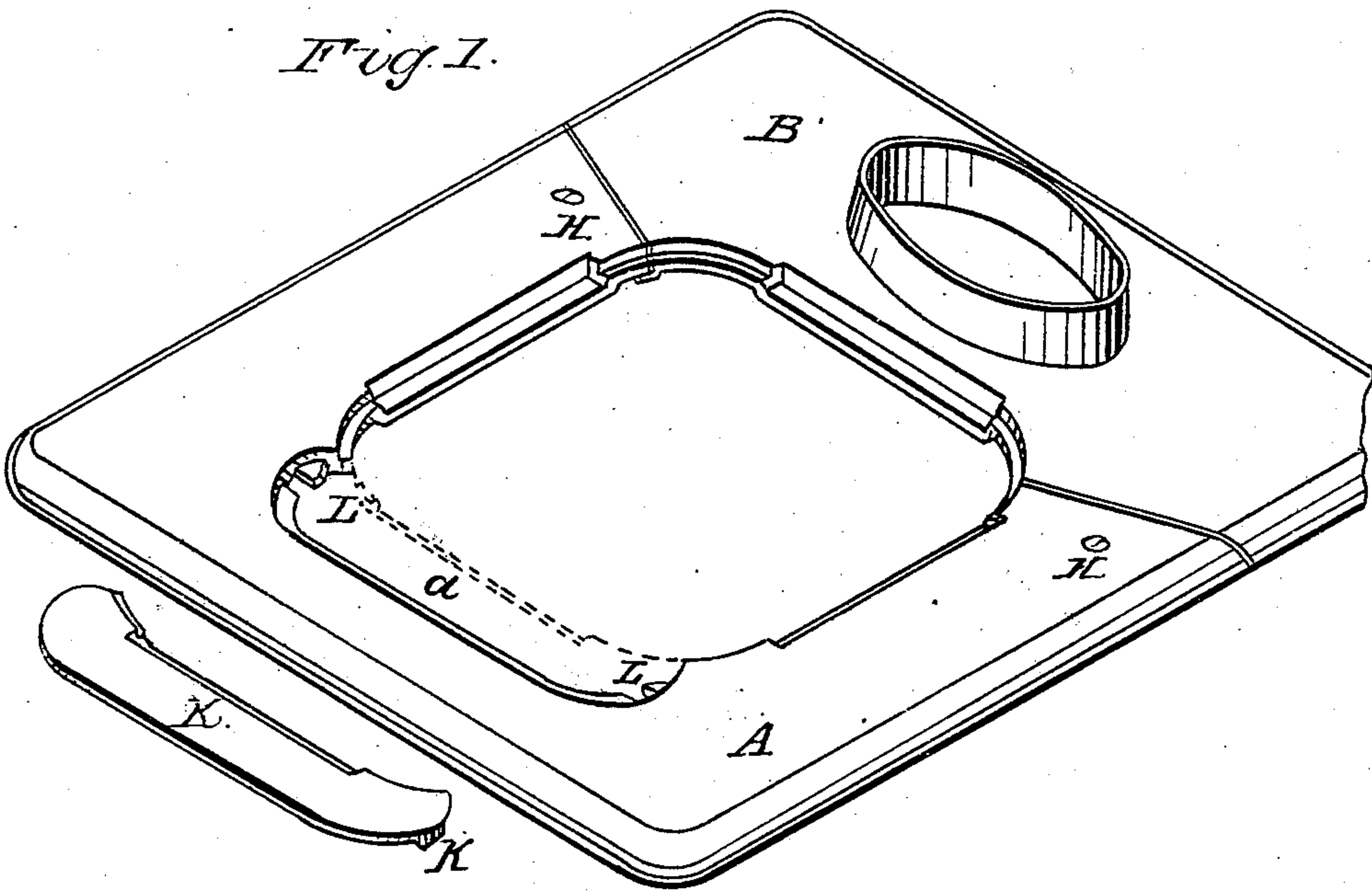


Fig. 2.

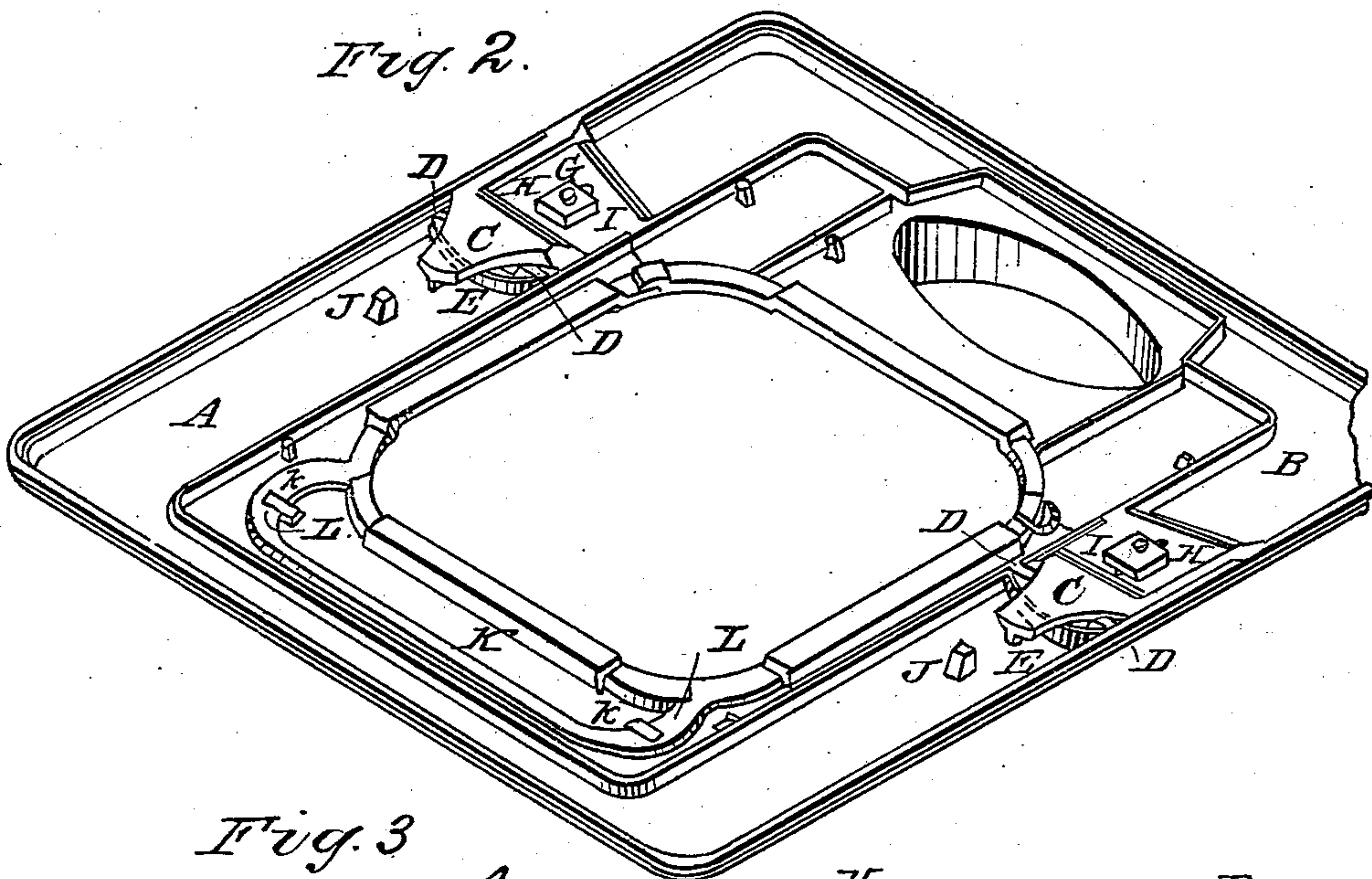
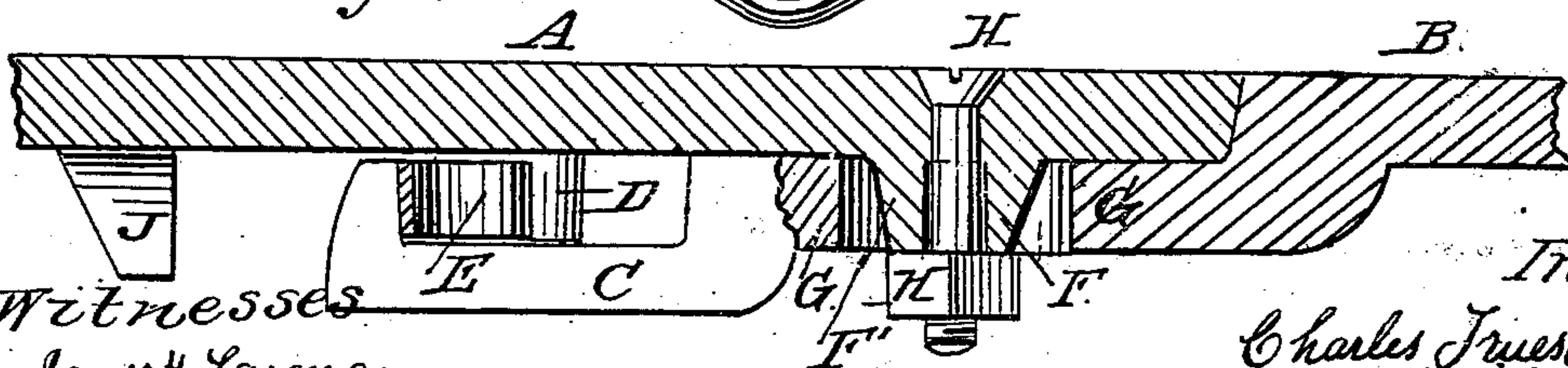


Fig. 3.



Witnesses

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Inventor

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Attys

United States Patent Office.

CHARLES TRUESDALE, OF CINCINNATI, OHIO, ASSIGNOR TO HIMSELF AND WILLIAM RESOR AND COMPANY, OF SAME PLACE.

Letters Patent No. 94,149, dated August 24, 1869.

IMPROVEMENT IN TOP PLATES OF COOKING-STOVES.

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

To whom it may concern:

Be it known that I, CHARLES TRUESDALE, of Cincinnati, Hamilton county, Ohio, have invented certain new and useful Improvements in the Top Plate of Cook-Stoves; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

My invention relates to the class of cook-stove tops which are composed of two pieces, in order to avoid the fracture of the plate by unequal expansion; and

My improvement consists in the provision of springs to the joint or parting, which springs permit the parts, when bolted together, to readily yield to an expansion of the stove-body, but, on the contraction of said body, to close up and form a neat and perfect joint and one that will be free from leakage.

Figure 1 is a perspective view of a stove-top embodying my improvements, the removable section being detached.

Figure 2 is a perspective view of the under side of the same, with the removable section in position.

Figure 3 is a vertical section through one of the joints, on a somewhat enlarged scale.

A is the front, and B, the rear portion of a divided stove-top.

Extending forward on each side of the stove, from the under side of the portion B, is a hooked lug, C, between which and shoulders D, cast on the under side of A, is interposed a spring, E.

A boss, F, depending from the front portion of the plate, occupies a slot, G, in the lug C, and is perforated

to receive a bolt, H, screw-threaded for a nut, I, which holds the parts in place.

A stud, J, depending from the top, serves as abutment to a pry, by which the parts may be retracted for the insertion of the springs.

The operation is as follows:

Whenever the heating up and consequent unequal expansion of the parts cause such a strain as would burst asunder a common single-top, or even one whose parts are immovably jointed together, the action, with my improvement, is merely to temporarily separate the parts, which close up again on subsidence of the heat, instead of leaving the usual open, unsightly, and injurious joint.

The springs E, being wholly external to the stove, are not liable to have their temper impaired by heat.

That portion of the top which supports the front edges of the centres and covers, I preferably make to consist of a removable section, K, which is supported somewhat loosely in a suitable rebate, *a*, in the top, and is held in place by tongues *k*, which occupy notches L in the top. This plate, being unconnected with the top, may become highly heated without subjecting the main portion to any strain or undue heat whatever.

I claim herein as new, and of my invention—

The provision in a divided stove-top, of the spring or yielding joint, substantially as set forth.

In testimony of which invention, I hereunto set my hand.

Witnesses: CHARLES TRUESDALE.

GEO. H. KNIGHT,

JAMES H. LAYMAN.