No. 854,491. PATENTED MAY 21, 1907.

W. E. HAGGERTY & W. J. DARDIS.

FIRE KINDLER.

APPLICATION FILED JUNE 27, 1906.

Fig. 1.

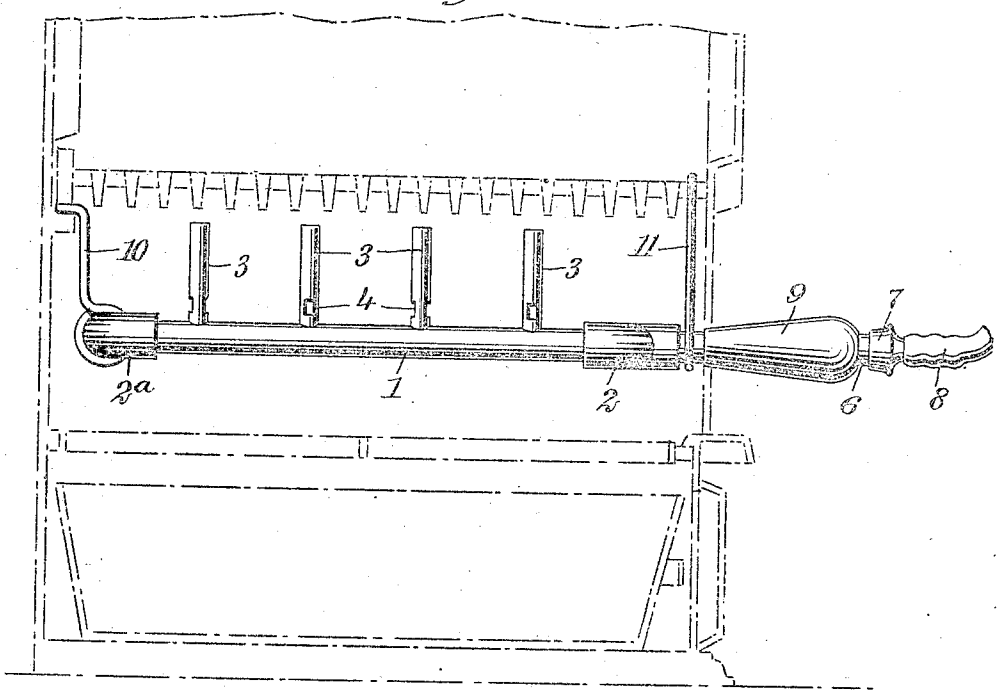


Fig. 2.

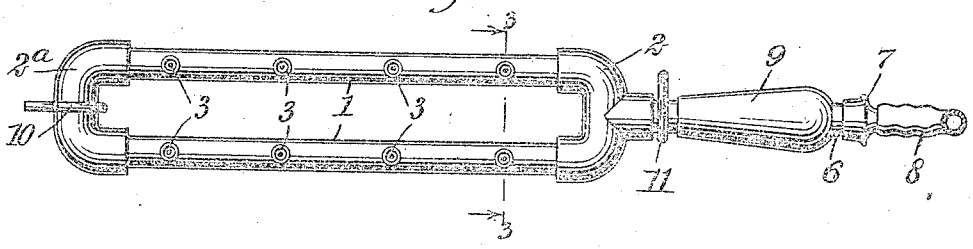
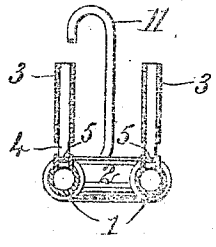


Fig. 3.



WITNESSES

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FIRE-KINDLER.

No. 854,491. Specification of Letters Patent. Patented May 21, 1907.

Application filed June 27, 1906. Serial No. 323,591.

To all whom it may concern:

Be it known that we, WILLIAM HENRY HAGGERTY and WILLIAM JOSEPH DARDIS, both citizens of the United States, and residents of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Fire-Kindler, of which the following is a full, clear, and exact description.

This invention is an improved means for kindling fires, consisting of a suitable gas burner adapted to be suspended from the grate of a stove, open fire-place or the like, and heat the fuel therein in a few minutes to the point of ignition.

The invention consists generally of a plurality of pipes arranged parallel to each other, each carrying a series of tubular burners designed to eject a hot, blue flame against the fuel, combined with hooks for suspending them from the grate, and a handle for carrying the kindler about from place to place.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of the improved kindler as applied to a range for starting a fire, the range being shown in dotted outline; Fig. 2 is a plan view of the kindler, and Fig. 3 is a transverse, sectional view on the line 3—3 of Fig. 2, looking in the direction of the arrows.

The invention comprises two parallel pipes 1 arranged side by side and communicating with each other at each end by U-shaped connections 2 and 2ª. Each of the parallel pipes have leading vertically upward from their upper surface a series of tubular burners 3, preferably equally spaced apart, and provided with air intake openings 4 near their base. Just below these air intake openings in each burner, a circular perforated straining disk 5 is fixed to prevent cinders, ashes or other form of material dropping from the grate and falling into the pipe. The U-shaped connection 2 connects with a pipe 6 projecting from the kindler in the same plane and parallel to the pipes 1, and has threaded on its outer end a nipple 7, corrugated on its stem to receive and hold a rubber tube 8 connecting with any suitable source of gas supply. On the pipe 6 is arranged a handle-grip 9 of wood or other form of non-conducting substance, permitting the kindler to be removed from the stove and carried from place to place when desired.

For supporting the burner in the ash pit and at a suitable distance from the grate, is provided a hook member 10 embracing the U-shaped connection 2ª and revoluble thereon to allow the hook to properly adjust itself when the kindler is suspended. A second hook member 11 for supporting the opposite end of the kindler embraces the pipe 6 intermediate the handle 9 and U-shaped connection 2 and is revoluble on said pipe in a plane at right angles to that of the hook member 10.

In the use of the kindler, it is swung, as shown, from the grate or other convenient projection in the ash pit and in close relation to the fuel above it. By now turning on the gas and lighting the series of tubular burners, a hot, blue flame will be projected through the interstices of the grate, resulting in a glowing hot fire within a few minutes, after which the kindler is removed from the ash pit.

Having thus described our invention we claim as new and desire to secure by Letters Patent:

1. A fire kindler comprising two pipes arranged side by side and connected together at the ends by U-shaped members, a series of tubular burners carried by each pipe, a supply pipe connecting with one of said U-shaped members, a hand-grip surrounding the supply pipe, and means for suspending the burner from a grate or the like.

2. A fire kindler comprising two pipes arranged side by side and connected together at the ends by U-shaped members, a series of tubular burners carried by each pipe, a supply pipe connecting with one of said U-shaped members, a hand-grip surrounding the supply pipe, a hook connected to the other of said members, and a hook connected to the supply pipe.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses June 25th, 1906.

WILLIAM HENRY HAGGERTY. [L. S.]
WILLIAM JOSEPH DARDIS. [L. S.]

Witnesses:
HENRY RIEHL. [L. S.]
THOMAS DWYER. [L. S.]