S. H. BRADFORD.

Combined Kindling-Wood Receptacle and Burning-Fluid Can.

No. 198,788. Patented Jan. 1, 1878.

Fig: 1.

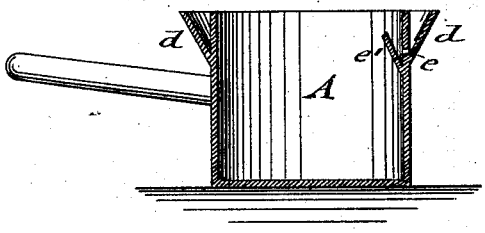


Fig: 2.

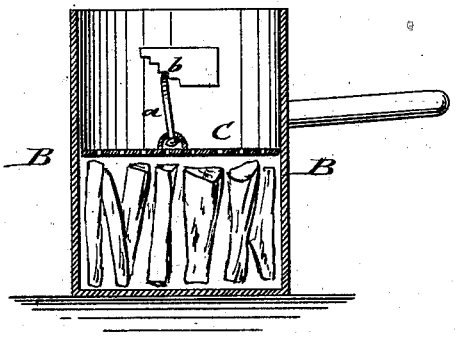


Fig: 3.

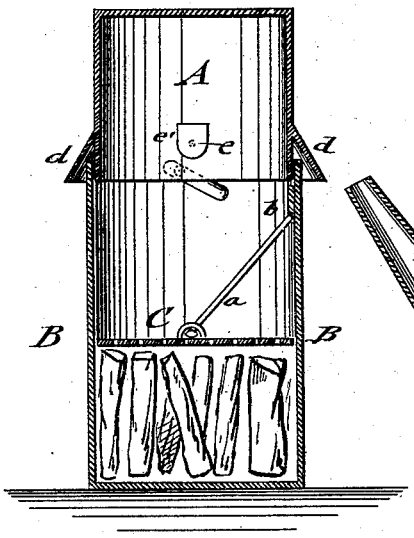
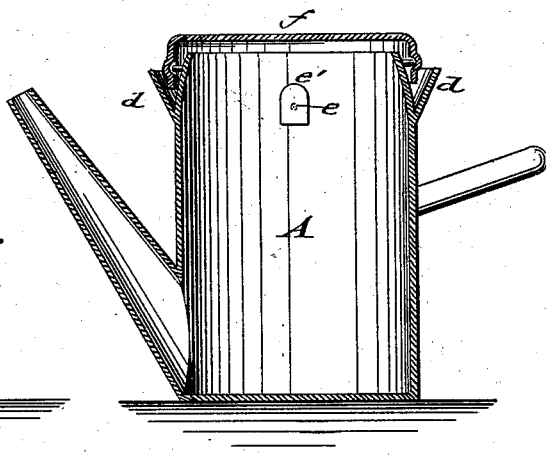


Fig: 4.



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S. HINCKSON BRADFORD, OF NEW YORK, N. Y.

IMPROVEMENT IN COMBINED KINDLING-WOOD RECEPTACLE AND BURNING-FLUID CAN.

Specification forming part of Letters Patent No. **198,788**, dated January 1, 1878; application filed November 20, 1877.

To all whom it may concern:

Be it known that I, S. HINCKSON BRADFORD, of the city, county, and State of New York, have invented a new and Improved Combined Kindling-Wood Receptacle and Burning-Fluid Can, of which the following is a specification:

In the accompanying drawings, Figs. 1 and 2 represent vertical central sections, respectively, of the burning-fluid can and of the kindling-wood receptacle, shown as detached from each other. Fig. 3 is a vertical central section, showing them connected for use; and Fig. 4 is a vertical central section of the burning-fluid can closed for use independently of the kindling-wood receptacle.

Similar letters of reference indicate corresponding parts.

The object of this invention is the production of a receptacle or vessel by which kindling-wood, or other material for kindling purposes, may be quickly and conveniently saturated with burning-fluid, the device being particularly adapted for households wherein fires have to be lighted every day, and intended to facilitate the lighting of the fires and avoid the danger incidental to the present careless use of kerosene or other burning-fluid in making fires.

The invention consists of a can or vessel for the burning-fluid, and of a receptacle or vessel for the kindling material, the latter vessel having an adjustable and perforated draining-disk that retains the kindling material in position for saturation, while the oil-can is provided with a cup or seat, drip-hole, and fastening devices for the kindling-wood receptacle.

In the drawings, A represents an oil can or vessel of any suitable size, made of tin, with or without a spout, as desired. When made with a spout, the can A may be used as a common oil-can. B is the receptacle into which the kindling material that is to be saturated is placed, the same being retained in position so as not to float in the burning-fluid, or change its position when turning the receptacle, by a perforated draining-disk or diaphragm, C, that is locked by a pivot-rod, *a*, to notched or step-shaped seats or rests *b* at the inside of the receptacle.

When the kindling material has been placed in the receptacle the draining-disk C is secured in position thereon, and then the receptacle turned upside down and placed in position on the can A. Both receptacle and can are provided with handles for the convenient manipulation of the device.

The can A is provided with a cup, *d*, at the upper end, into which the receptacle is seated when placed into position on the can.

Both can and receptacle are next taken hold of, and their position reversed, so that the burning-fluid passes down into the receptacle B, and through the perforated disk, to the kindling material, which is then saturated with burning-fluid. The device is then turned back into its former position, and the burning-fluid returned into the can, any drippings being taken up by the cup and conducted through a drip-hole, *e*, back into the can. The drip-hole *e* has a guard-plate or flange, e^1, at the inside to prevent any escape of oil through the drip-hole when turning the can into uppermost position.

When the can is larger than the kindling-wood receptacle, in case a common oil-can is used in connection with the receptacle, the latter has to be secured hermetically thereon, either by a rubber gasket and screw-connection, or tongue and groove, or otherwise, so that the oil has no chance of escape on turning the device for saturating the kindling material in the receptacle. The spout may either be closed by a screw-cap, or the reversing be done by careful handling, and passing the oil along the side opposite to the spout. The draining-disk prevents the dropping of the pieces of wood or other particles into the burning fluid, and serves thus a threefold purpose, namely, as a locking device to prevent the floating and imperfect saturation of the wood as a drainer, and as a strainer to retain any small impurities.

The device may be manufactured either in connection with a common oil-can, which is then also provided with a detachable cover, *f*, or, in cheaper manner, simply with a small oil can or cup that furnishes a quantity of oil sufficient to saturate the kindling material in the receptacle. It forms a very useful and practical device for kindling fires in quick and

entirely dangerless manner, and avoids the accidents and danger of fire by the use of kerosene.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination of a burning-fluid can and kindling-wood receptacle, substantially as and for the purpose set forth.

2. The combination, with a burning-fluid can, of a kindling-wood receptacle, having an adjustable device for retaining the kindling material in position for saturation, substantially as specified.

3. The combination, with a burning-fluid can, having outer cup or seat and drip-hole, with inner guard-flange, of a kindling-wood receptacle, having an adjustable perforated retaining disk or diaphragm, substantially as and for the purpose set forth.

4. The combination, with the kindling-wood receptacle, having interior notches or step-shaped seats, of a perforated draining-disk adjusted by a retaining-rod to the size of the kindling material, substantially as and for the purpose set forth.

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