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ELECTRIC IMITATION FIRE

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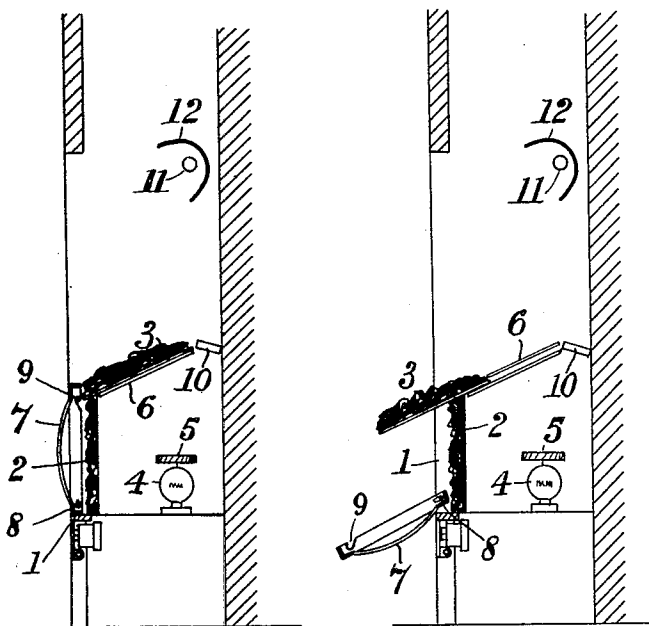


FIG. 1

FIG. 2

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ELECTRIC IMITATION FIRE

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This invention relates to electric imitation fires of the kind with which artificial fuel is used and has under it one or more electric lamps, with or without flicker-producing devices.

The primary object of the invention is the provision of a simple and satisfactory electric fire in which access to the lamps can be easily obtained even when the fires are placed in recesses or/and are provided with hob or other surrounds. The invention can however be very usefully employed with those fires to which access at the back is easily obtained.

According to my invention the front "bars" of the grate or fire place, or it may be the upper part of the same are made to be turned outwardly and downwardly, or it may be to be lifted out so that the "fuel" covering the top of the fire can slide forwardly and will thus leave an opening between the inner edge; or edges, of the fuel and the "fire back" through which the desired access to the lamps, spinners and other parts under or behind the "fuel" can be had.

In a simple form the "front bars" are in one piece held in place by any suitable grooves, pins or other such devices but on pivots at the lower parts of the ends and so arranged that a slight lift will free the holding devices and the "bars" can be turned outwardly and downwardly thus freeing the front edge of the slab-like or equivalent fuel which may then slide outwardly, wholly or a limited distance.

The invention is illustrated by way of example in the accompanying drawings in which:—

Fig. 1 is a side-sectional view of a grate with the parts that are movable according to the invention in their "in use" positions and

Fig. 2 is a like view of the grate with the said parts shifted to give access to the lamps.

In this example the grate 1 contains a vertical front slab 2 of imitation fuel and an inclined top slab 3 of like fuel and electric lamps such as 4 and spinners such as 5 for illuminating the said fuel with flickering light. The slab 3 is slidable with relation to the grate on guides such as 6 after the front 7 of the grate has been turned to the Fig. 2 po-

sition and gives access to the lamps etc. The front 7 forms the "bars" of the grate and is hinged thereto by slots 8 and studs at its ends which permit of it being lifted upwardly, prior to its being turned outwardly and downwardly, in order to free pins on the sides of the grate from notches such as 9 in its ends. Some of the light from 4—5 passes through a coloured screen 10 and strikes the back of the fireplace above the fuel to give a flame and smoke effect and a heating element 11 with reflector 12 are arranged at the top of the fireplace.

It will be noticed that the front 7 normally covers the adjacent edges of the two slabs of fuel.

Any convenient means of shifting the part such as 7 which lies in the way of removing the slab 3 may be employed.

What I claim is:—

1. An electric imitation fire comprising a grate, imitation fuel within the grate, and electric means for illuminating the fuel from the rear, having the top part of the said fuel movable to give easy access to the interior of the fire and means including the front bars of the grate for retaining and releasing the fuel, said bars being formed in one piece, pivoted to the grate near the lower end of the piece and held in the fuel-retaining position by suitable means.

2. An electric imitation fire having a grate, imitation fuel in the grate, means for movably supporting the top part of the imitation fuel, an electric lamp under the fuel, means comprising the front bars of the grate for releasably holding the movable fuel in place in the fire, and a mounting for movably supporting the said front bars comprising slots in the sides of the bars, notches in the sides of the bars, studs projecting into the slots, and anchored pins for releasable engagement with the notches.

3. An electric imitation fire comprising a grate, a vertical slab of fuel at the front of the grate, an inclined slab of fuel at the top of the grate, guides for slidably supporting the fuel, flickering illuminating means inside the grate, means comprising the front bars of the grate for releasably holding the inclined

slab against movement in the guides, and a pivotal mounting for movably supporting the said front bars.

4. An electric imitation fire having a grate,
5 imitation fuel in the grate, means for movably supporting the imitation fuel, an electric lamp under the fuel, means comprising the front bars of the grate for releasably holding the movable fuel in place in the fire,
10 and a pivotal mounting for movably supporting the said front bars.

5. An electric imitation fire having a grate, imitation fuel in the grate, means for movably supporting the imitation fuel, and means
15 for releasably holding the movable fuel in the grate, the fuel supporting means comprising guides that limit displacement of the fuel to a certain path of movement and the means for holding the said fuel in place comprising
20 part of the said grate and being movably disposed in said path.

In testimony whereof I affix my signature.

HERBERT HENRY BERRY.

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