

## **WARNING**

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## Health & Safety at Work Act 1974.

As manufacturers and suppliers of cooking and heating products, in compliance with Section 6 of the Health and Safety at Work Act 1974 we take every care to ensure, as far as is reasonably practicable, that these products are so designed and constructed as to be safe and without risk to health when properly used and installed. To this end, our products are thoroughly tested and examined before despatch.

The Rayburn REMBRANDT Fire with its high output boiler has been approved by the Domestic Solid Fuel Appliance Approval Scheme (D.S.F.A.A.S.) and may be used for any of the following:-

1. Space Heating and combined domestic hot water supply and radiators.
2. Space Heating and heating of pipes and radiators only.

## Recommended Fuels

Welsh Dry Steam Coal (Large Nuts) , Coalite, Home-fire, Rexco, Royal and Bituminous House Coal, Trebles or Doubles. Fuel should be stored under cover.

**Note:** Refer problems regarding fuel suitability or quantity to the fuel supplier.

**It is most important that the fuels should be of the correct size for open fires otherwise the appliance will not give a satisfactory performance.**

## 1. Lighting the Fire—Ensure the chimney flue has been freshly swept clean.

- a) Decide what fuel you intend to burn and if Housecoal only, fit front deepening bar shown in Fig. 1. When using smokeless fuels, fit front deepening bar shown in Fig. 2.

**Note:** Using the wrong front deepening bar will result in either under or overburning depending on fuel selection.

- b) Lay a liberal supply of wood/paper on the grate together with a small quantity of fuel.
- c) Open the throat restrictor fully by pulling the canopy lever on the RH side forward. See Fig. 3. Slide ashpit door lever at bottom of fire to the left (Fig. 3) as far as possible to provide primary air for combustion. Push the boiler damper lever backwards (Fig. 3) to close off the boiler flueway.
- d) Light the fire in the normal way via the paper and sticks. If gas ignition is fitted, raise decorative front and remove ashpit door. Remove ashpan and light the gas burner from below after turning the gas tap ON. Replace the ashpan, ashpit door and lower the decorative front. After 15 minutes -no longer - turn gas tap OFF.

## How to Regulate Burning.

To control the rate of burning, slide the ashpit door lever left to open (maximum burning) and to the right to close (minimum burning) Fig. 3. For maximum efficiency, keep the firebox well



Fig. 1

filled and ensure the bottom grate is kept free of ash. A correctly fully fuelled fire will last 1½ hours when maintaining the maximum rated output of the appliance.

## HOW TO USE THE BOILER AND FLUE CONTROLS

### Boiler Damper

When central heating is required, pull the lever located below the right hand side of the canopy forward to open the boiler flue and push backwards to close the boiler flue. See Fig. 3.

To obtain maximum space heating, the boiler damper should be closed, and when open, space heating will be at its minimum.

**NB.** When the boiler damper is set at 'OPEN' for the provision of hot water have the ashpit door lever partly open at least.

### Canopy Throat Restrictor.

To conserve heat and comfort, an operative lever projecting out of the canopy right hand side operates an adjustable throat restrictor with the numbered positions 1 to 4. See Fig. 3.

Flue restriction (as is heat conservation) is maximum with the lever at No. 1 position and the throat restrictor should be set to the nearest safe opening to this position, ensuring there is no flue gas spillage into the room.

After fuelling with house coal, it may be necessary to open the throat restrictor by gradually pulling the lever forward to a higher number setting that just holds in the smoke, but once the smoke has burned away, the throat restrictor should be re-set with the lever pushed back to its minimum safe opening to prevent loss of heated room air up the chimney.

### Overnight Banking.

Poke and rake the bottom grate air spaces clear of ash then remove and empty ashpan.

### Using Smokeless Fuels.

Remove smokeless deepening bar and fit coal deepening bar to operate as overnight burning extension plate. See Fig. 1.

Remember to replace the coal deepening bar with the smokeless deepening bar after returning to daytime use. See Fig. 2.

### Using Bituminous House Coal.

No change is necessary to the coal deepening bar for overnight burning. See Fig. 1. Add fuel to fire with fuel line sloping from the front of fire upwards to the back. Set the ashpit air control lever and throat restrictor to minimum and close the boiler damper.

**Note:** If the fire extinguishes prematurely, marginally open the air control lever until fire remains alight overnight.

### Ash Removal.

Raise the decorative front (Fig. 4), lift off the ashpit door and withdraw the ashpan with the tool provided, then replace.

**Note:** Empty the ashpan at regular intervals and do not allow ash to accumulate in the ashpan until it touches the underside of the bottom grate otherwise it will quickly burn out.

### Fume Emission.

#### Warning Note.

Properly installed and operated this appliance will

## Deepening Bar Daytime & Banking with Coal Banking only with Smokeless Fuel.

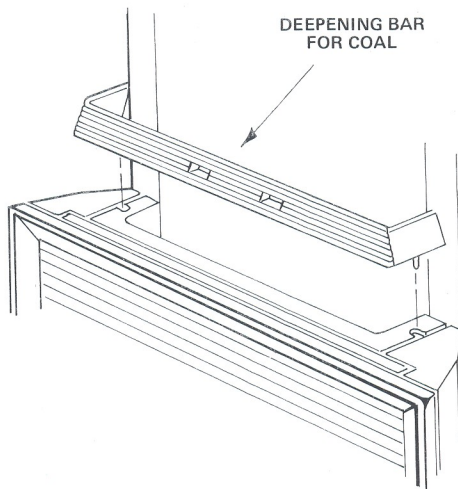


Fig. 1

## Deepening Bar for Smokeless Fuels.

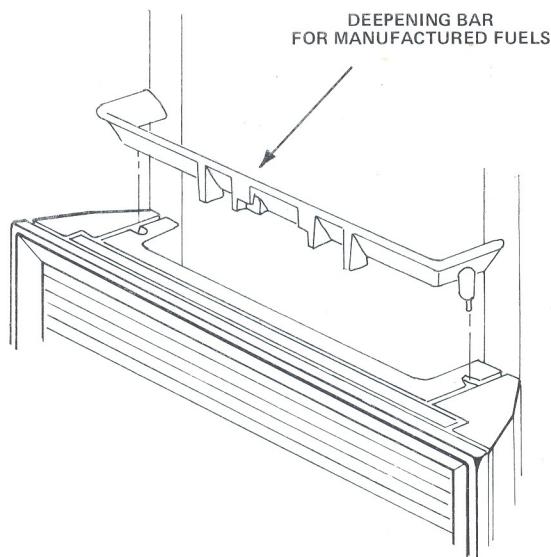


Fig. 2

## Appliance Controls.

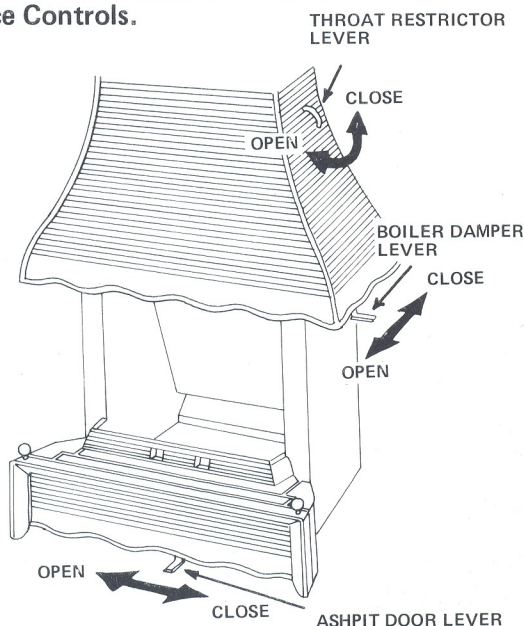


Fig. 3

not emit fumes. Occasional fume from de-ashing and re-fuelling may occur.

Persistent fume emission must not be tolerated. If fume emission does persist, then the following immediate actions should be taken:-

- a) Open doors and windows to ventilate room.
- b) Let the fire out or eject fuel from appliance.
- c) Check the flue or chimney blockage, and clean if required.
- d) Do not attempt to relight fire until cause of fume has been identified, if necessary seek professional advice.

#### Appliance Cleaning.

The flueway of the boiler should be swept on a monthly basis to remove soot and flyash, otherwise the burning rate will reduce and water output fall off.

- (i) Lift out the bottomgrate and open the boiler damper.
- (ii) Insert flexible brush into the bottom of the boiler flueway (See Fig. 5) and push brush upwards in a vigorous manner until the brush passes through the top of the boiler flueway.
- (iii) Remove flueway deposits and replace bottomgrate.

#### Chimney Sweeping - Swept at least once annually See Figs. 6, 7 and 8.

Neglect of chimney sweeping can lead to dangerous fume emission.

The chimney may be swept through the front of the canopy. In order to do this, the boiler damper blade must be removed from the appliance in the following manner:-

- a) Pull the boiler damper lever fully forward.
- b) Reach up, underneath the canopy, until the hand comes into contact with the damper blade.
- c) Push the damper blade up and backwards until it is freed from location with the operating rod (See Fig. 6).
- d) Drop the damper blade back on to its runners, and pull forward until it begins to fall free.
- e) Pull downwards and remove. (See Fig. 7).

The chimney sweeping brush may then be inserted at the front of the appliance and pushed up into the main flue via the canopy (See Fig. 8).

After cleaning the flue, the damper blade must be replaced in the appliance using reverse procedure to its removal. Ensure that damper operating rod is correctly located into lugs on damper blade. If an adaptor is fitted, flueway deposits will fall through appliance. Otherwise, the fallen deposit on register plate must be removed through register plate access door, which must be airtight after replacement.

#### Cleaning.

DO NOT wipe any metal parts with a damp cloth and generally remove dust with a light brush.

#### Servicing.

Although servicing requirements are minimal, it is recommended that a qualified service heating engineer be used should problems arise.

**DO NOT OPERATE THE FIRE WITHOUT WATER IN THE SYSTEM.**

#### Lifting Decorative Front & Removing Ashpit Door.

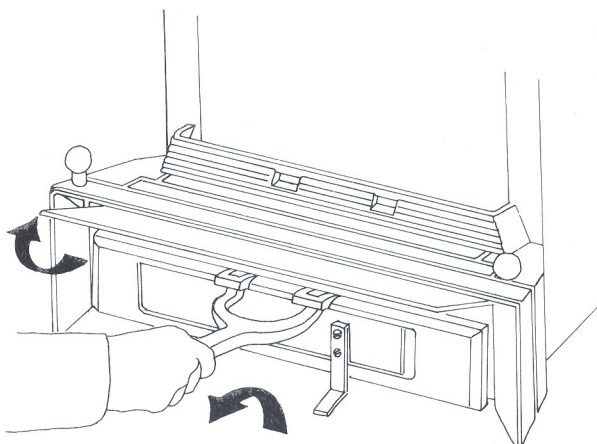


Fig. 4

#### Cleaning the Appliance.

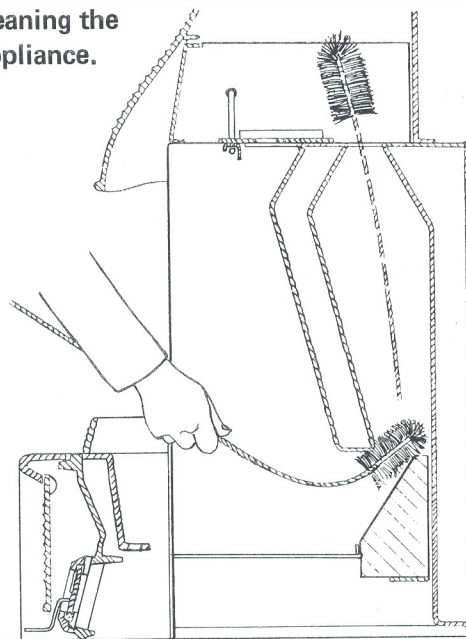
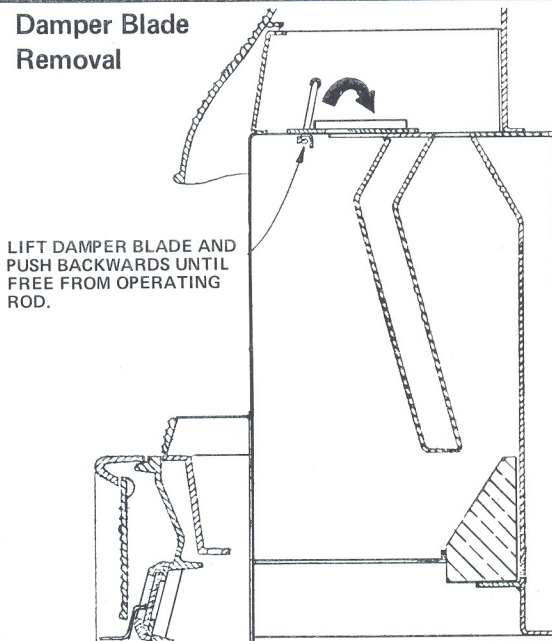


Fig. 5

#### Damper Blade Removal



LIFT DAMPER BLADE AND  
PUSH BACKWARDS UNTIL  
FREE FROM OPERATING  
ROD.

Fig. 6

**Precautions.**

If the fire is not used when there is a danger of frost, the whole system should be drained.

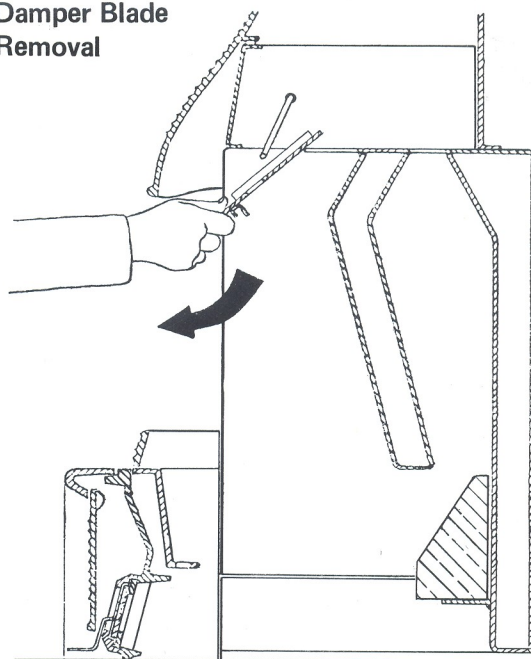
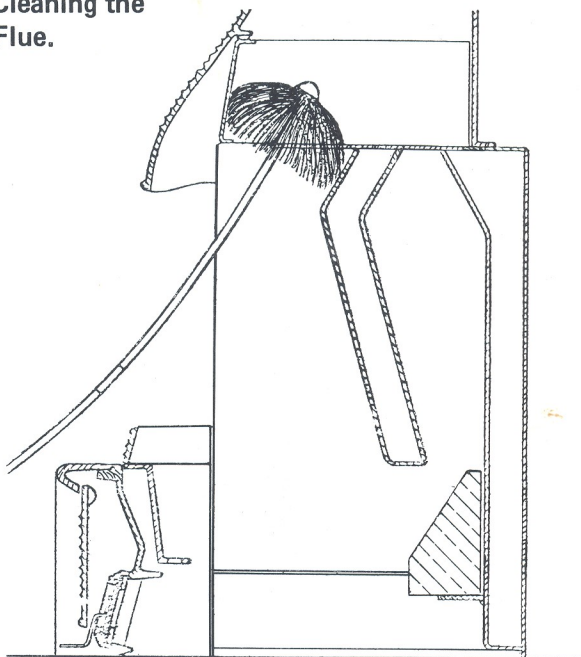
**Never light the fire if the water system is frozen.**

Replacement parts if required are always available ex-Works.

Write to us should any difficulty be encountered in obtaining them from your usual supplier.

**Spare Parts.**

| Part No. | Description    | No. Required |
|----------|----------------|--------------|
| 1/16566  | Rear Firebrick | 1            |
| 1/16814  | Bottom Grate   | 1            |
| 1/16842  | Ashpan         | 1            |

**Damper Blade Removal****Fig. 7****Cleaning the Flue.****Fig. 8**

With Rayburn's policy of continuous product improvement, the Company reserves the right to change specifications and make modifications to the appliance described and illustrated at any time.

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