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(54) Flame spreader for gas burners for hobs.

(57) The invention relates to a flame spreader for gas burners for hobs comprising a flame spreader (1) and a closure cap (2), wherein the flame spreader (1) has an annular groove (3) for receiving an open elastic ring (4) designed to interact with the cap for constraining it to the flame spreader.

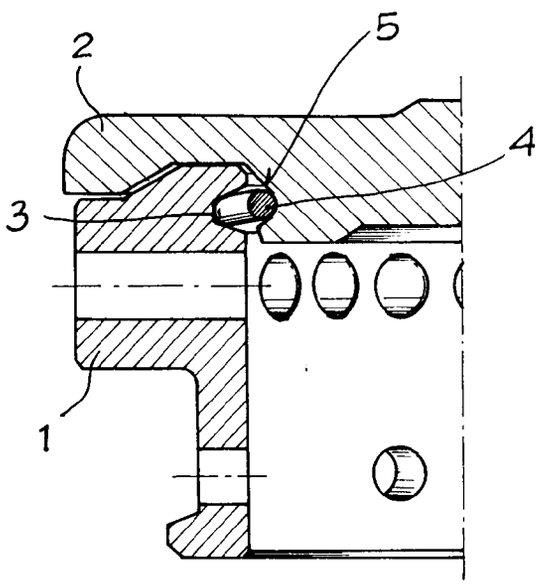

Fig. 4

EP 0 491 665 A2

The present invention relates to flame spreaders for gas burners for hobs.

It is a known fact that flame spreaders for gas burners for hobs are generally made up from a single body comprising both the flame spreader and the closure cap or from two separate pieces; in this case the cap can be removed from the flame spreader.

This means that on one hand it is possible to enamel the cap, but on the other hand there could be problems in using the burners should there not be a correct pairing of the cap to the flame spreader.

The object of the present invention is to get round the above mentioned inconveniences by placing stitching wire with a particular conformation between the flame spreader and the cap so as to achieve a firm connection between the two elements. Such an object is achieved by a flame spreader in accordance with claim 1.

More details of the invention will appear clearer after the following description with references made to the attached drawing in which:

Fig. 1 is an exploded view of the elements making up the flame spreader in question;

Fig. 2 is a plan view of the ring for connecting the flame spreader and cap;

Fig. 3 is a plan view of the flame spreader with the ring inserted; and

Fig. 4 is a cross section of the flame spreader assembled in accordance with the present invention.

The present invention relates to a flame spreader (1) of gas burners provided with a closure cap (2).

As has been mentioned above, the cap (2) can be kept separate from the flame spreader (1).

In accordance with the present invention, an annular groove (3) is formed in the flame spreader (1). An open elastic ring (4) which has alternate arched (4a) and straight (4b) sections is snapped into said groove (3).

Once the ring (4) has been inserted in the grove (3), the ring will have straight sections protruding towards its centre (Fig. 3).

The closure cap (2) has an anualar back draft (5) on its lower part (Fig. 4) designed to receive the sections (4b) of the ring (4).

With correct equipment, the ring (4) is inserted in the annular groove (3) of the flame spreader (1). The cap (2) will later be connected to said flame spreader (1) and will be blocked by the sections (4b) of the ring (4) in the back draft (5) which is formed on the cap (2).

The usefulness of the assembly is obvious and allows: to separately prepare and treat the two elements; enamel the cap in any color, even different to that of the flame spreader; and to prevent a bad pairing between the two elements (1, 2) when using the burner.

Claims

1) A flame spreader which has been perfectioned for gas burners for hobs made up of a flame spreader (1) and a closure cap (2), characterized in that the flame spreader (1) has an annular groove (3) for receiving an open elastic ring (4) designed to interact with the cap for constraining it to the flame spreader.

2) A flame spreader as claimed in claim 1, characterized in that the open elastic ring (4) has alternate arched (4a) and straight (4b) sections.

3) A flame spreader as claimed in claims 1 and 2, characterized in that the cap (2) has a back draft (5) designed to receive and constrain itself to the straight sections (4b) of the ring (4).

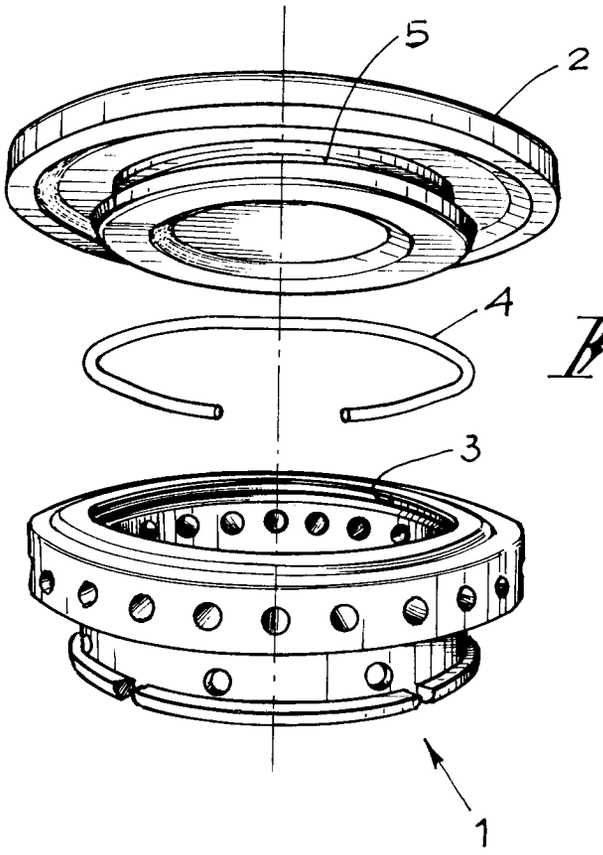

Fig.1

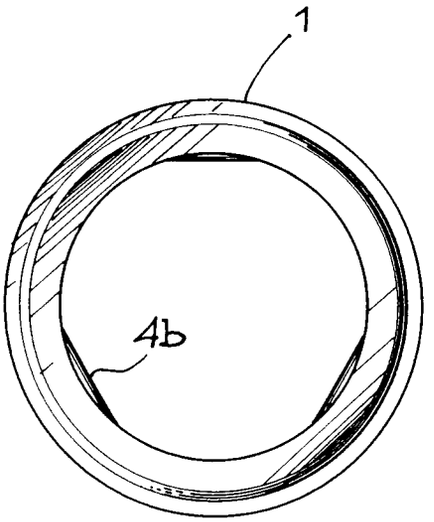

Fig.3

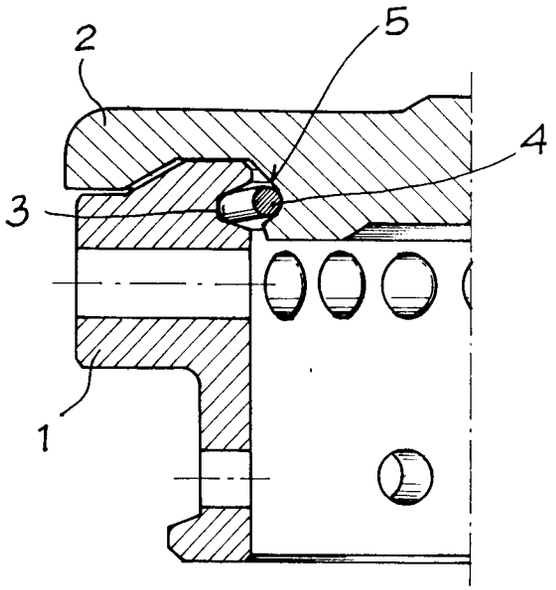

Fig.4

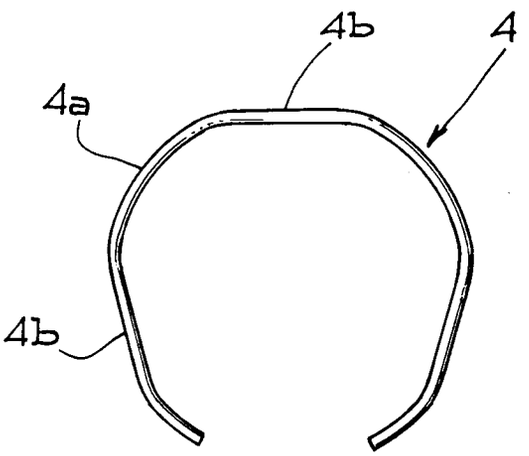

Fig.2