

PATENT SPECIFICATION

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(54) COFFEE MAKER

(71) We, N. V. PHILIPS' GLOEI-
 LAMPENFABRIEKEN, a limited liability
 Company, organised and established under the
 laws of the Kingdom of the Netherlands, of
 5 Erasmingsel 29, Eindhoven, the Netherlands
 do hereby declare the invention, for which we
 pray that a patent may be granted to us, and
 the method by which it is to be performed, to
 be particularly described in and by the follow-
 10 ing statement:—

The invention relates to a coffee maker
 comprising a housing, a cover which is situ-
 ated at the top of the housing, and a filtering
 device which is situated underneath the cover.

15 Such coffee makers are generally known.
 A problem associated with such apparatus
 is that during coffee making the steam which
 is present between the cover and the filtering
 device condenses on the inner side of the
 20 cover. When the cover is removed the conden-
 sation drops drip onto the appliance and also
 on the heating plate, if any.

It is the object of the invention to provide
 a solution to this problem. The coffee maker
 25 in accordance with the invention is therefore
 characterized in that the cover is hingeably
 connected to the housing and the inner side of
 the cover is provided with a receptacle for
 receiving condensation water in the opened
 30 position of the cover. Preferably, the recep-
 tacle is situated on the hinge side of the cover.

A preferred embodiment of the coffee maker
 in accordance with the invention is character-
 35 ized in that the inner side of the cover is pro-
 vided with an upright rim which in the closed
 position of the cover is situated near the top
 edge of the filter holder of the filtering device,
 the condensation water receptacle being
 40 bounded by a cover portion which is situated
 within the upright rim, by a portion of the
 upright rim, and by a wall portion which is
 situated at some distance from the inner side
 of the cover.

45 In the closed position of the cover said wall
 portion preferably extends obliquely down-
 wards in the direction of the receptacle open-
 ing. The condensation water, which has col-
 lected in the receptacle in the opened position
 of the cover, can then flow into the filter of

the filtering device in the closed position of 50
 the cover.

A further embodiment of the coffee maker
 in accordance with the invention is character-
 ized in that the cover has openings for the 55
 passage of steam.

The invention will now be described in
 more detail by means of an embodiment
 shown in the drawings.

Figure 1 schematically shows a side view
 of a coffee maker in accordance with the 60
 invention.

Figure 2 is a partial cross-section of the
 coffee-maker taken on the line II—II in
 Figure 1, showing the cover with condensa-
 tion-water receptacle and the filtering device. 65

Figure 3 shows the interior of the cover of
 Figure 2.

Figure 1 shows a housing 1 of the coffee
 maker which accommodates a water reservoir
 2, a discharge conduit 3, a flow heater 4 with
 heating plate 5, a riser pipe 6, and outlet pipe 70
 7, which is rotatably connected to the riser
 pipe, with an outlet opening 8. The housing
 furthermore accommodates a filtering device
 9. A removable filter holder 10 of the filtering
 device is supported by a rim 11 of the hous- 75
 ing. Underneath the filtering device a coffee
 pot 12 can be placed on the heating plate 5
 for receiving the filtered coffee brew.

At the top of the housing there is located a
 cover 13. As is shown in Figure 2, the cover
 13 is hingeably connected to the housing with
 the aid of a hinge 14. The inside of the cover
 has an upright rim 15, which is situated near
 a top edge 16 of the filter holder 10 in the
 closed position of the cover. The upright rim
 15 has a recess 17 with which the outlet pipe
 7 engages in the closed position of the cover
 (also see Figure 3). On the side of the hinge
 14 the cover has a small receptacle 18 for
 condensation water. This receptacle is bound- 80
 ed by a portion 13a of the cover, by a portion
 15a of the upright rim 15, and by a wall por-
 tion 19 which is situated at some distance
 from the inside of the cover. Preferably, this
 wall portion is extended somewhat obliquely
 85 downwards in the closed position of the cover.
 Figure 3 shows that wall portion 19 has the 90
 95

shape of a circular segment. Moreover, an opening 20 is formed in the cover.

During coffee making steam is formed between the cover and the filtering device. Part of the steam will escape through the opening 20. The remainder will condense on the inside of the cover in the form of condensation drops. For subsequent use of the coffee maker the cover 13 should be tilted up in order to enable the filter holder 10 to be removed. The condensation drops then collect in the receptacle 18 as condensed water 21. After the filter holder, provided with a fresh filter with ground coffee, has been replaced in the apparatus and the water reservoir 2 has been refilled the cover is again swung onto the housing. The condensed water 21 then flows into the filter. Although the condensation water is then cold, this will hardly affect the flavour of the coffee, because the amount of condensed water is small.

It is alternatively possible to provide the cover 13 with a condensation water receptacle which in the closed position of the cover is situated at the location of the water reservoir 2 instead of near the filtering device. Obviously, the cover hinge should then be situated near the water reservoir 2. When the cover is lowered onto the housing, the condensed water flows out of the small receptacle into the water reservoir 2. Obviously, the cover should then be provided with a different rim 15.

WHAT WE CLAIM IS:—

1. A coffee maker comprising a housing, a cover which is situated at the top of the housing, and a filtering device which is situated

underneath the cover, characterized in that the cover is hingeably connected to the housing and the inner side of the cover is provided with a receptacle for receiving condensation water in the opened position of the cover.

2. A coffee maker as claimed in Claim 1, characterized in that the receptacle is situated on the hinge side of the cover.

3. A coffee maker as claimed in Claim 2, characterized in that the inner side of the cover is provided with an upright rim, which in the closed position of the cover is situated near the top edge of the filter holder of the filtering device, the condensation water receptacle being bounded by a cover portion which is situated within the upright rim, by a portion of the upright rim, and by a wall portion which is situated at some distance from the inner side of the cover.

4. A coffee maker as claimed in Claim 3, characterized in that in the closed position of the cover said wall portion extends obliquely downwards in the direction of the receptacle opening.

5. A coffee making apparatus as claimed in any of the preceding Claims, characterized in that the cover has openings for the passage of steam.

6. A coffee maker substantially as herein described with reference to the accompanying drawings.

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