CLAIMS

What is claimed is:

1. A laundry treatment device, comprising:

a front support (20);

a steam generator (10) having a steam generation chamber, wherein the steam generator (10) comprises:

a generator body (11) having a steam outlet (111); and

a heat insulation component (12) defining an accommodation chamber in communication with an ambient environment, wherein at least a part of the generator body (11) is disposed in the accommodation chamber, and wherein the heat insulation component (12) is adapted to be cooperatively connected to the front support (20); and

a water storage box (30) having a water storage chamber in communication with the steam generation chamber,

wherein each of the water storage box (30) and the steam generator (10) is disposed at the front support (20).

2. The laundry treatment device according to claim 1, wherein the steam generator (10) is disposed above the water storage box (30).

3. The laundry treatment device according to claim 1, wherein:

the front support (20) has a mounting portion (22); and

the heat insulation component (12) has a connection portion, the connection portion and the mounting portion (22) being in a corresponding position and being engaged with each other.

4. The laundry treatment device according to claim 3, wherein:

the mounting portion (22) is formed as a mounting post protruding from the front support (20); and

the connection portion is formed as a connection hole, the mounting portion (22) being fixedly connected to the connection portion by a fastener passing through the connection hole.

5. The laundry treatment device according to claim 1, wherein the heat insulation component (12) comprises:

a base (121);

an upper cover (122) disposed on the base (121), the accommodation chamber being defined between the upper cover (122) and the base (121); and

a clamp member (123) disposed at an outer side of the upper cover (122) and the base (121) and configured to tightly clamp and fixedly connect the upper cover (122) to the base (121).

6. The laundry treatment device according to any one of claims 1 to 5, wherein:

one of the water storage box (30) and the front support (20) has a slot (23); and

the other one of the water storage box (30) and the front support (20) has an insertion portion (301), the insertion portion (301) being inserted into and engaged with the slot (23).

7. The laundry treatment device according to claim 6, wherein:

the front support (20) has a support portion (24) formed as a support table;

the slot (23) is disposed at the support table; and

a part of the water storage box (30) protrudes outwardly to form the insertion portion (301).

8. The laundry treatment device according to claim 6, wherein the water storage box (30) comprises: a mounting plate (33), at least part of the mounting plate (33) abutting against the front support (20), and the mounting plate (33) being connected to the front support (20) by a fastener.

9. The laundry treatment device according to any one of claims 1 to 8, wherein the water storage box (30) comprises:

a first box (31) having a water outlet (303) in communication with the steam generator (10); and

a second box (32) disposed above the first box (31) and sealingly-engaged with the first box (31) to define the water storage chamber, the second box (32) having a water inlet (302),

wherein the second box (32) is engaged with the first box (31) through welding.

10. The laundry treatment device according to any one of claims 1 to 9, further comprising:

a water level detector disposed in the water storage box (30) and configured to detect a water level in the water storage chamber.

11. The laundry treatment device according to claim 10, wherein the water level detector comprises:

a float ball (35) disposed in the water storage chamber; and

a magnetic member (37) disposed at an outer side of the water storage box (30), the float ball (35) and the magnetic member (37) cooperating with each other to detect the water level in the water storage chamber.

12. The laundry treatment device according to any one of claims 1 to 11, wherein the front support (20) has a water replenishment opening (304), the water replenishment opening (304) being in communication with the water inlet (302) of the water storage box (30) and located at higher level than the water inlet (302).

13. The laundry treatment device according to claim 12, wherein a middle part of the front support (20) has an opening (21) in communication with a laundry treatment chamber of the laundry treatment device and in communication with the water replenishment opening (304).

14. The laundry treatment device according to claim 12, further comprising:

an air inflowing grille (50) movably disposed at the front support (20), the air inflowing grille (50) having the water replenishment opening (304) and a water replenishment chamber,

wherein the water storage box (30) is connected to the replenishment chamber through a connection pipe.

15. The laundry treatment device according to any one of claims 1 to 14, further comprising:

a water pump (40) disposed at the front support (20) and connected between the water storage box (30) and the steam generator (10), the water pump (40) being configured to pump water from the water storage box (30) into the steam generator (10).

16. The laundry treatment device according to any one of claims 1 to 15, wherein a steam nozzle (26) disposed at an upper part of the front support (20) is provided, the steam nozzle (26) being adjacent to the steam generator (10) and adapted to be in communication with the steam generation chamber.