CLAIMS

[Claim 1] A medical cap which closes an opening through which a liquid passes,

the medical cap comprising:

a stopper which is arranged inside a tubular mouth portion that forms the opening; and

a case including a tubular inner wall which is arranged between the stopper and the mouth portion, a tubular outer wall which surrounds the inner wall via a tubular space that houses the mouth portion and an upper wall which is arranged above the mouth portion that is arranged at the tubular space, wherein

the stopper includes an internal portion which is surrounded by the inner wall and a lower portion which is arranged between the upper wall and the mouth portion that is arranged at the tubular space.

[Claim 2] The medical cap according to Claim 1, wherein

the lower portion is arranged between the mouth portion and the upper wall in a state of being in contact with both of the upper wall and the mouth portion that is arranged at the tubular space.

[Claim 3] The medical cap according to Claim 2, wherein

the stopper includes a lower end portion which protrudes downward from a lower end of the inner wall, and

the lower end portion is in contact with an inner

circumferential surface of the mouth portion.

[Claim 4] The medical cap according to Claim 3, wherein

the stopper further includes a connection portion which connects the lower portion to the internal portion via a through hole which penetrates through the case.

[Claim 5] The medical cap according to Claim 4, wherein

the stopper further includes an upper portion which extends from the internal portion to a position above the upper wall, and

the connection portion extends from the upper portion to the lower portion via the through hole which penetrates up and down through the upper wall.

[Claim 6] The medical cap according to Claim 5, wherein

an outer circumferential surface of the inner wall forms an external recessed portion which is recessed in a radial direction of the case, and

when the medical cap is viewed from below, at least a portion of the through hole which penetrates up and down through the upper wall is arranged inside the external recessed portion.

[Claim 7] The medical cap according to any one of Claim 1 to 6, wherein

the inner wall and the upper wall form a root-side recessed portion which is recessed from an outer circumferential surface of the inner wall, and

the root-side recessed portion houses a portion of the lower portion.

[Claim 8] The medical cap according to any one of Claim 1 to 6, wherein

the internal portion of the stopper includes a large diameter portion which is surrounded by the inner wall and a small diameter portion smaller in outer diameter than the large diameter portion,

the small diameter portion extends downward from a lower end of the large diameter portion, and

a lower end of the inner wall is arranged at a position lower than the lower end of the large diameter portion and higher than a lower end of the small diameter portion.

[Claim 9] A medical container comprising:

a container main body including a tubular mouth portion which forms an opening through which a liquid passes and a housing portion which houses the liquid, and

the medical cap according to any one of Claim 1 to 6.

[Claim 10] A method for manufacturing a medical cap which closes an opening through which a liquid passes, wherein

the medical cap includes

a stopper which is arranged inside a tubular mouth portion that forms the opening, and

a case including a tubular inner wall which is arranged between the stopper and the mouth portion, a tubular outer

wall which surrounds the inner wall via a tubular space that houses the mouth portion and an upper wall which is arranged above the mouth portion that is arranged at the tubular space,

the stopper includes an internal portion which is surrounded by the inner wall, a lower portion which is arranged between the upper wall and the mouth portion that is arranged at the tubular space and a connection portion which connects the lower portion to the internal portion via a through hole which penetrates through the case, and

the method for manufacturing the medical cap including

a step of arranging the case inside a mold and

a step of forming the stopper by injecting a melted material of the stopper into a cavity that is formed by the case and the mold and cooling the material inside the cavity.

[Claim 11] The method for manufacturing the medical cap according to Claim 10, wherein

the mold includes a movable mold and a fixed mold, and

in the step of arranging the case inside the mold, the movable mold or the fixed mold supports an internal portion and an external portion of the inner wall.

[Claim 12] The method for manufacturing the medical cap according to Claim 10 or 11, wherein

the mold includes a movable mold and a fixed mold,

the outer wall has a disk-shaped recessed portion

which is recessed downward from an upper surface of the outer wall, and

in the step of arranging the case inside the mold, the movable mold or the fixed mold supports an inner circumferential surface of the disk-shaped recessed portion.