WHAT IS CLAIMED IS:

1. An arctic ship with a derrick, comprising:

the derrick forming an enclosed space blocked from outside air;

a moonpool coupled to a lower portion of the derrick to communicate with the derrick and blocked from the outside air; and

an air supply/exhaust device installed to communicate an inner space of the derrick or the moonpool with the exterior,

wherein air condition of the inner space is maintained or controlled at a predetermined range by the air supply/exhaust device~~.~~, and

wherein the derrick is enclosed from an upper of the derrick to the moonpool.

2. The arctic ship according to claim 1, wherein the air supply/exhaust device comprises:

a supply unit supplying the outside air to the derrick or the moonpool; and

an exhaust unit exhausting the supplied outside air through an upper portion of the derrick.

3. The arctic ship according to claim 2, wherein the supply unit comprises a heater which heats the supplied outside air.

4. The arctic ship according to claim 2, wherein the supply unit and/or the exhaust unit comprises an open/close valve which opens or closes a flow of supplied or exhausted air.

5. The arctic ship according to claim 2, wherein the supply unit and/or the exhaust unit comprises a supply louver which prevents the inflow of particles other than air.