CLAIMS

1. A heat insulation structure for a cylindrical tube configured such that on an outer circumferential portion of the cylindrical tube in which cold fluid flows, there are provided a plurality of layers of heat insulating walls juxtaposed in an axial direction of the cylindrical tube, the plurality of layers of heat insulating walls being provided in a cylindrical form and with different diameters formed of arcuate heat insulating members divided in a circumferential direction and an axial direction of the cylindrical tube;

wherein for a pair of heat insulating members adjacently juxtaposed in the axial direction of the cylindrical tube, in only the heat insulating wall disposed on an inner side in the radial direction of the cylindrical tube among the plurality of layers of heat insulating walls, a coupling body having a pair of retaining portions is provided so that the pair of retaining portions are inserted to respective outer face portions of the pair of heat insulating members to radially inner side of the cylindrical tube,

the coupling body includes a band-like member bendably deformable, with the retaining portions being provided in juxtaposition along a longitudinal direction of the band-like member at width-wise opposed ends of the band-like member,

the coupling body is attached as being wound about outer face portions of the pair of heat insulating members, and

the band-like member is made of Tarpaulin which comprises a polyester fiber fabric sandwiched by soft synthetic resin films.

~~2. The cylindrical tube heat insulation structure of claim 1, wherein:~~

~~the coupling body has a U-shape having the retaining portions at opposed ends of a shaft-like body; and~~

~~a plurality of the coupling bodies are attached to a plurality of portions in the circumferential direction of the cylindrical tube.~~

~~3. The cylindrical tube heat insulation structure of claim 2, wherein~~

~~the coupling body is inserted to the outer face portions of the heat insulating members so that the shaft-like body and the retaining portions at the opposed ends of the shaft-like body are inserted with one side face of the shaft-like body and the retaining portions being oriented in its posture into opposition to the outer face portions of the heat insulating members.~~

~~4. The cylindrical tube heat insulation structure of claim 1, wherein:~~

~~the coupling body includes a band-like member bendably deformable, with the retaining portions being provided in juxtaposition along a longitudinal direction of the band-like member at width-wise opposed ends of the band-like member; and~~

~~the coupling body is attached as being wound about outer face portions of the pair of heat insulating members.~~

~~5.~~2. The cylindrical tube heat insulation structure of ~~any one of claims 1-4~~ claim 1, wherein a band-like axial-side leak proof body having adhesiveness is affixed to be mounted astride a pair of heat insulating members adjacently juxtaposed in the axial direction of the cylindrical tube of the heat insulating wall disposed on an outermost side in the radial direction of the cylindrical tube of the plurality of layers of heat insulating walls.

~~6.~~3. The cylindrical tube heat insulation structure of ~~any one of claims 1-5~~ claim 1 or 2, wherein:

the plurality of heat insulating members juxtaposed in the circumferential direction of the cylindrical tube to form the plurality of the respective heat insulating walls, at each of a plurality of opposed portions located in the circumferential direction of the cylindrical tube where end faces thereof are placed in abutment against each other, are coupled with a pair of adjacent heat insulating member end portions thereof being coupled to each other via an elongate member that is formed elongate along the axial direction of the cylindrical tube and

engageable with the pair of heat insulating member end portions; and

at each of the plurality of opposed portions of the heat insulating wall disposed on the outermost side of the plurality of heat insulating walls in the radial direction of the cylindrical tube, a band-like circumferential-side leak proof body having adhesiveness is affixed to be mounted astride a pair of heat insulating members adjacently juxtaposed in the circumferential direction of the cylindrical tube.

~~7.~~4. The cylindrical tube heat insulation structure of any one of claims ~~1-6~~ 1-3, wherein in opposed side faces of the heat insulating members adjacently juxtaposed in the axial direction of the cylindrical tube, there are formed engagement portions engageable

in the axial direction of the cylindrical tube.