Claims

1. A clamp for a pipe, comprising:

a crevice corrosion prevention member configured to surround an outer surface of a pipe; and

a body that is assembled to allow the crevice corrosion prevention member to be disposed therein and has opening walls formed at opposite ends thereof, the pipe passing through the opening walls,

wherein the crevice corrosion prevention member is supported in an outer diameter direction by an inner surface of the body and is supported in a longitudinal direction by the opening walls so that an environment in which crevice corrosion of the pipe occurs is generated in space between the crevice corrosion prevention member and the pipe,

wherein the crevice corrosion prevention member includes an alloy having an oxide film formed on a surface of the alloy so that the crevice corrosion prevention member is corroded earlier than the pipe when the oxide film is damaged under the environment.

2. The clamp for a pipe of claim 1, wherein opening holes having a shape corresponding to an outer circumferential surface of the pipe are respectively provided at the opening walls, and

wherein an inner diameter of the crevice corrosion

prevention member is smaller than an inner diameter of the opening hole.

3. The clamp for a pipe of claim 1, wherein opening holes having a shape corresponding to an outer circumferential surface of the pipe are respectively provided at the opening walls, and

wherein the opening hole has an inclined surface inclined such that an outside inner diameter thereof is greater than an inside inner diameter thereof.

4. The clamp for a pipe of claim 1, wherein opening holes having a shape corresponding to an outer circumferential surface of the pipe are respectively provided at the opening walls, and

wherein stepped portions are formed at the ends of the crevice corrosion prevention member, and

the stepped portions of the crevice corrosion prevention member are supported at the opening holes of the opening walls through which the pipe passes.

5. The clamp for a pipe of claim 4, wherein the stepped portions of the crevice corrosion prevention member are in contact with and supported by an inner surface of the opening hole without being exposed to the outside of the body.

6. The clamp for a pipe of claim 4, wherein the stepped portions have surfaces inclined such that an outside inner diameter thereof is greater than an inside inner diameter thereof.

7. The clamp for a pipe of claim 4, wherein the crevice corrosion prevention member includes:

a first prevention member configured to surround an upper outer diameter surface of the pipe and supported at the opening hole by the stepped portions; and

a second prevention member configured to surround a lower outer diameter surface of the pipe and supported at the opening hole by the stepped portions.

8. The clamp for a pipe of claim 1, wherein the crevice corrosion prevention member includes:

a rust preventing portion containing a metal having higher reactivity than reactivity of the pipe and configured to surround a circumferential surface of the pipe; and

an outer circumference protecting portion configured to surround an outer circumferential surface of the rust preventing portion.

9. The clamp for a pipe of claim 8, wherein the body includes a first body and a second body assembled to

surround a circumferential surface of the pipe,

wherein the first body and the second body have therein supporting portions having a shape corresponding to at least a part of an outer circumferential surface of the crevice corrosion prevention member so that the crevice corrosion prevention member is mounted on the supporting portions.

10. The clamp for a pipe of claim 8, wherein the rust preventing portion has a length smaller than a length of the outer circumference protecting portion.

11. The clamp for a pipe of claim 10, wherein the crevice corrosion prevention member further includes a finishing protecting portion having an inner circumferential surface shaped to correspond to a shape of the circumferential surface of the pipe,

wherein the finishing protecting portion is provided at both sides in a longitudinal direction of the rust preventing portion, and

an outer circumferential surface of the finishing protecting portion is brought into close contact with an inner circumferential surface of the outer circumference protecting portion.

12. The clamp for a pipe of claim 1, wherein both end

portions of the crevice corrosion prevention member are bent toward the body and inserted into the body,

the body includes a first body and a second body having corresponding shapes and assembled to surround an outer circumferential surface of the pipe, and

the first body and the second body have supporting portions that are depressed so that the crevice corrosion prevention member is mounted on the supporting portions.

13. The clamp for a pipe of claim 12, wherein the crevice corrosion prevention member includes:

a first prevention member mounted on the supporting portion of the first body and configured to be in contact with a part of the outer circumferential surface of the pipe; and

a second prevention member mounted on the supporting portion of the second body and configured to be in contact with a part of the outer circumferential surface of the pipe which is not in contact with the first prevention member.

14. The clamp for a pipe of claim 13, wherein the first prevention member and the second prevention member include:

corrosion portions having a shape corresponding to the outer circumferential surface of the pipe and having an inner surface to be in contact with the outer circumferential surface of the pipe;

connection portion extended outward in a radial direction from the corrosion portions; and

flange portions bent from end portions of the connection portion toward the first body or the second body.