illustrated in FIGS. 11(a) and 11(b) when the screw-type steel pipe pile is placed such that the central axis of the steel pipe is orthogonal to the land surface.

Description of Embodiments

[0020] With reference to the accompanying drawings, the following describes in detail exemplary preferred embodiments of a screw-type steel pipe pile according to the present invention.

[0021] First Embodiment

FIGS. 1 and 2 are diagrams illustrating one example of a screw-type steel pipe pile that is a first embodiment of the present invention. FIG. 1(a) is a front view of a relevant portion of the screw-type steel pipe pile, and FIG. 1(b) is a plan view of the screw-type steel pipe pile illustrated in FIG. 1(a). FIG. 2(a) is a right-hand side view of a relevant portion of the screw-type steel pipe pile, and FIG. 2(b) is a plan view of the screw-type steel pipe pile illustrated in FIG. 2(a). The screw-type steel pipe pile illustrated includes a steel pipe 10 and a plurality of (two, in the example illustrated in FIGS. 1 and 2) steel-made plates 20a and 20b. In the screw-type steel pipe pile illustrated in FIGS. 1 and 2, a distal end side is described as the lower side and a pile head side is described as the upper side.

[0022] The steel pipe 10 is formed in a cylindrical shape having a hollow portion 11 in the inside. In the distal end portion of this steel pipe 10, as illustrated in FIG. 3, a plurality of (two, in the example illustrated in FIG. 3) attaching portions 12a and 12b are formed. In FIG. 3, to make the attaching portions 12a and 12b easier to illustrate, they are illustrated such that the distal end side is the upper side and the pile head side is the lower side.