CLAIMS

1. A guide for a steel sheet pile rolling mill,

for the manufacture of a steel sheet pile having, as a cross-sectional shape orthogonal to a longitudinal direction, a web extending in one direction, a pair of flanges connected to both ends in the one direction of the web and extending at an angle with respect to the one direction, and a pair of flat parts connected to ends on sides to which the web is not connected of the pair of flanges and having flat places extending in the one direction,

the guide being provided on an inlet side of the steel sheet pile rolling mill having an upper roll and a lower roll in which a groove corresponding to a shape of the steel sheet pile is formed in rolling of the steel sheet pile,

the guide for the steel sheet pile rolling mill comprising:

a web guide restraining a web corresponding part corresponding to the web in a raw material to be rolled from one direction in an up and down direction and guiding the web corresponding part to the groove; and

a pair of roller guides having at least one roller rotatable in a rolling direction and restraining flat part corresponding parts corresponding to the flat parts in the raw material from another direction in the up and down direction and guiding the flat part corresponding parts to the groove.

2. The guide for steel sheet pile rolling mill according to claim 1, wherein a predetermined clearance is provided between the at least one roller and an upper end or a lower end of the groove as viewed from the rolling direction.

3. The guide for steel sheet pile rolling mill according to claim 2, wherein the clearance is 40% or more and 120% or less of a distance of a roll gap between the upper roll and the lower roll in a place of the groove where the flat part corresponding parts are rolled.

4. The guide for steel sheet pile rolling mill according to any one of claims 1 to 3, wherein

the steel sheet pile is a hat-shaped steel sheet pile having, as the pair of flat parts, a pair of arm parts connected to the pair of flanges and extending in the one direction and joint parts connected to sides to which the pair of flanges is not connected of the pair of arm parts, and

the pair of flat parts is the pair of arm parts.

5. A steel sheet pile manufacturing method comprising, in rolling of the steel sheet pipe having, as a cross-sectional shape orthogonal to a longitudinal direction, a web extending in one direction, a pair of flanges connected to both sides of the web and extending at an angle with respect to the one direction, and a pair

of flat parts connected to sides to which the web is not connected of the pair of flanges and having a pair of flat places extending in the one direction,

a rolling step of providing the guide for steel sheet pile rolling mill according to any one of claims 1 to 4 on an inlet side of a rolling mill having a groove corresponding to a shape of the steel sheet pile and performing rolling in the rolling mill.