

ABSTRACT

HOT-ROLLED STEEL SHEET AND METHOD FOR PRODUCING SAME

An object of the present invention is to provide: a hot-rolled steel sheet that, even when having a larger sheet thickness, exhibits excellent scale adhesion, particularly a small variation in scale adhesion in the width direction of the coil; and a method for producing the hot-rolled steel sheet.

The hot-rolled steel sheet has a predetermined chemical composition and has a scale on the surface of the steel sheet. The scale in the width direction of the steel sheet has a microstructure containing, in terms of area fraction, magnetite grains: 20% to 60%, a eutectoid transformation microstructure containing iron and magnetite: 30% or more, wherein magnetite includes the magnetite grains and the magnetite contained in the eutectoid transformation microstructure, and wustite: 15% or less, and, in terms of mass fraction, hematite: 5% or less. The average thickness of the scale in the width direction of the steel sheet is 5 to 20 μm . The variation in the thickness of the scale in the width direction of the steel sheet is 4 μm or less.