Si: up to 4.0 %;
Mn: 0.01 to 3.5 %;
P: up to 0.03 %;
S: up to 0.015 %;
Cr: 15.0 to 35.0 %;
Ni: 40.0 to 70.0 %;
Cu: 0.01 to 4.0 %;
Al: 0 to 1.5 %;
N: 0.005 to 0.1 %;
O: up to 0.03 %;
Ti: 0 to 1.0 %;
Mo: 0 to 15 %;
Nb: 0 to 5 %; and
Co: 0 to 15 %,
a balance being Fe and impurities.

12. The method of manufacturing the welded joint according claim 11, wherein the welding material has a chemical composition including, in mass %:

Al: 0.15 to 1.5 %;
Ti: 0.15 to 1.0 %; and
Mo: 7 to 15 %,
the chemical composition of the welding material further including at least one of Nb: 0.1 to 5 % and Co: 0.1 to 15 %.