

STEEL - STEEL, STRONG & STIFF IS A MATERIAL OF SLENDER TOWERS & SOARING SPANS.

UNIQUELY PLentiful & INEXPENSIVE,

BRONZE TO JOIN BLOCKS OF STONE.

THRUST OF MASONRY VAULTS WITH WROUGHT IRON CHAINS AND RODS.

STEEL HAD BEEN A RARE & EXPENSIVE MATERIAL.

STEEL FIRST - BECAME AVAILABLE 1850S WITH INTRODUCTION OF THE BESSEMER PROCESS

AIR BLOWN INTO A VESSEL MOLTEN IRON TO BURN OUT THE IMPURITIES.

IN ABOUT 20 MINS A BATCH OF IRON COULD BE MADE INTO STEEL

STEEL - IS ANY OF A RANGE OF ALLOYS OF IRON THAT CONTAIN LESS THAN 2% CARBON.

ORDINARY STEEL - MILD STEEL CONTAIN LESS THAN THREE-TENTHS OF 1% CARBON

ORDINARY CAST IRON - CONTAINS 3 TO 4% CARBON & GREATER QUANTITIES OF IMPURITIES THAN STEEL