

United States Steel Corporation Subsidiaries

Carnegie-Illinois Steel Corporation, Pittsburgh and Chicago

Columbia Steel Company, San Francisco

Tennessee Coal, Iron & Railroad Company, Birmingham

United States Steel Export Company, New York

District Offices in all Principal Cities



U·S·S COPPER STEEL

For Superior Rust Resistance at Low Cost

Corrosion resistance and cost are two determining factors of the type of metal to be used for various air conditioning jobs. Copper Steel has 2 to 3 times the atmospheric corrosion resistance of plain steel or pure iron as shown in the results of unbiased tests made at Pittsburgh, Ft. Sheridan and Annapolis by the American Society for Testing Metals.

The cost of U·S·S Copper Steel is less than that of pure iron or copper-bearing pure iron and only slightly more than plain steel. Thus there often is a dividend of 200 per cent to 300 per cent longer life and a saving in the first cost as well.

When galvanized, U·S·S Copper Steel produces a sheet that is rust resistant all the way through—not just on the surface. It should be used for all ducts carrying humidified air or placed in damp locations such as basements, shower rooms, etc.

U·S·S PAINTBOND

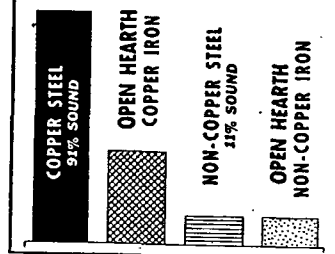
U·S·S Paintbond should be used whenever galvanized steel is to be painted. This special Bonderized sheet can be painted immediately, offers a much better surface for painting, lessens danger of the paint flaking and retards corrosion. It is used for ductwork, furnace housings and outdoor metal work.

Send for our Paintbond booklet.

U·S·S DUL-KOTE

U·S·S Dul-Kote is a specially treated non-spangled galvanized sheet which also can be painted immediately without ageing or otherwise preparing the surface. It is available in the South and in the West. Send for our Dul-Kote booklet.

HERE'S THE PROOF!
UNCOATED COPPER STEEL
91% SOUND AFTER 21 YRS.



Corrosion test of A.S.T.M. on 22 gage black sheets exposed at Annapolis, Md., October, 1916. The copper steel sheets outlasted all others in the test.

OTHER U·S·S PRODUCTS INCLUDE:

Black Sheets—All grades, hot rolled, cold rolled in a number of different finishes.

Stainless—Heat resisting steel for various uses where temperatures are high and corrosion severe.

Cor-Ten—High Tensile steel—greater strength, greater atmospheric corrosion resistance for smokestacks, hoods, etc.

For more information on U·S·S Galvanized, Copper, Black and Stainless Sheets, send for our Guide for Sheet Metal Workers.

CONTROLS AND INSTRUMENTS

Automatic controls form an essential part of modern heating, ventilating and air conditioning equipment, and for the refrigerating equipment which performs important functions in many air conditioning operations. Their use makes possible accurate maintenance of desired physical conditions, with an operating efficiency and economy which are not obtainable with manually operated controls.

Instruments of many types and for many uses are available for determining the capacity and operating efficiency of apparatus. These instruments are designed to obtain results in conformity with adopted test methods and operating standards.

CONTROLS (p. 996-1018)

Thermostats—room, immersion, insertion and surface types; humidity controls, pressure controllers, damper motors, control valves, solenoid valves, relays, etc.

For control of air, gases, temperatures, humidity and liquids; for automatic fuel burning apparatus; for all types of heating, ventilating and air conditioning apparatus operating as separate units, or as integral parts of central systems.

The various types of automatic controls include electric, pneumatic, and self-contained control systems—two-position, or on-and-off, and the modulating or graduated control. They are adaptable for individual room control, or for zone control in large buildings, and also for industrial process control.

Technical data on automatic controls will be found in Chapter 34.

INSTRUMENTS (p. 996-1018)

For measuring, indicating and recording air velocity, temperature, humidity, pressure, flow and liquid levels; and for testing and rating heating, ventilating and air conditioning equipment.

They include gauges, meters, recorders and indicators, hygrometers, pyrometers, psychrometers, thermometers, velocimeters.

Technical data on instruments is contained in Chapter 35.

Manufacturer's products shown in this division are designed for specific applications. Consult the Index to Modern Equipment for additional products of these manufacturers.