

Bethlehem Steel Company

General Offices:  Bethlehem, Pa.

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COPPER-BEARING BETH-CU-LOY FOR RUST RESISTANCE

The charts at the right show conclusively the superior rust resistance of copper-bearing steel. Sheets of the same composition as Beth-Cu-Loy, Bethlehem's copper-bearing steel, outlasted ordinary iron and steel by a wide margin when exposed to atmospheric corrosion.

Beth-Cu-Loy, available in the form of sheets, pipe and plates, offers 2 to 3 times longer life as indicated by these three corrosion tests—and Beth-Cu-Loy costs only 3 to 5 per cent more than ordinary steel, much less than open-hearth or copper-bearing iron.

Heating, ventilating and air conditioning engineers, architects and contractors are finding it pays to specify Beth-Cu-Loy wherever moisture or corrosion is a factor. Beth-Cu-Loy sheets are easily workable, durable and low in cost.

BETHLEHEM MAKES:

Sheet Steel—all grades, hot-rolled (black), cold-rolled, and galvanized—available in Beth-Cu-Loy.

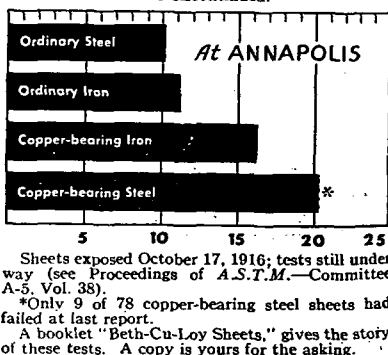
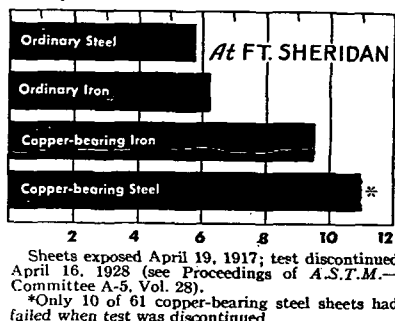
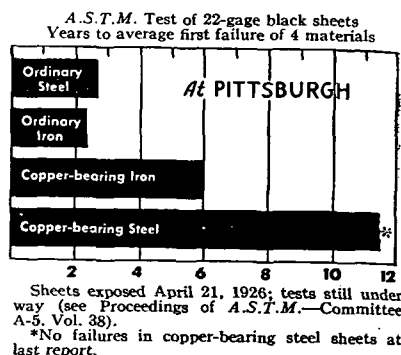
Steel Pipe—In sizes up to 3 inches, now made by the Continuous-Weld Process and sold under the trade name Beth-Co-Weld.

Ammonoduct—A new kind of pipe that has an outstanding advantage in its unusual ductility. It can be bent cold, without need for annealing, without danger of fracturing. Recommended for ammonia piping and for heater coils, water legs in furnaces and similar uses where pipe must be bent.

Boiler Tubes—Charcoal iron and steel.

Plates—all sizes; flanged and dished heads. Available in Beth-Cu-Loy.

Literature and further information on any of these products can be secured from the nearest district office or from the general offices in Bethlehem, Pa.



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.

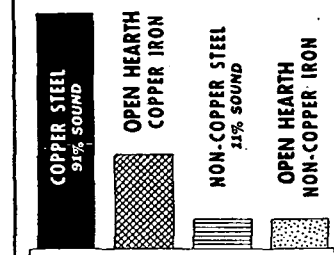
The cost of U. S. S. Copper Steel is less than that of pure iron or copper-bearing pure iron and only slightly more than plain steel. Thus there often is a dividend of 200 per cent to 300 per cent longer life and a saving in the first cost as well.

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

When painting is desirable for galvanized steel, U. S. S. Paintbond should be used. This makes it possible to paint the job immediately. Paintbond offers a much better surface for painting, prevents flaking of the paint and retards corrosion. It is used for duct work, furnace housings and outdoor sheet metal work.

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.