The American Rolling Mill Company

Executive Offices, **Middletown, Ohio**

Atlanta, Ga.,	1437 Citizens and Southern National Bank Bldg.
Boston, Mass.	201 Devonshire St.
Buffalo, N. Y.	504 Seventeen Court St. Bldg.
Chicago, Ill.	310 S. Michigan Bldg.
Cleveland, Ohio	1516 B. F. Keith Bldg.
Dallas, Texas	1111 Santa Fe Bldg.
Detroit, Mich.	5-261 General Motors Bldg.
Indianapolis, Ind.	Circle Tower
Kansas City, Mo.	7100 Roberts St.
Middletown, Ohio	703 Curtis St.
Minneapolis, Minn.	171-27th Ave., S. E.
New Orleans, La.	3501 S. Carrollton Ave.
New York, N. Y.	50 Church St.
Philadelphia, Pa.	1808 Lincoln-Liberty Bldg.
Pittsburgh, Pa.	1632 Oliver Bldg.
San Francisco, Calif.	465 Tenth St.
St. Louis, Mo.	1725 Ambassador Bldg.

Choose the Correct Armco Grade

These grades of Armco sheet metal are recommended for the air conditioning applications shown. For detailed information get in touch with the nearest district office or write direct to The American Rolling Mill Company, Middletown, Ohio.

Armco Ingot Iron

(Galvanized)

Ducts
Washer Chambers
Plenum Chambers
Steam Line Casings
Furnace Casings
Spray Towers
Drip Pans
Housings
Machine Guards
Unit Conditioners (Industrial)
Roof Ventilators
Eliminator Blades

Armco Paintgrip

(Galvanized)

Recommended for all applications listed above that need immediate painting. Send for complete information.

Hot Rolled

(Sheets and Strip)

Fan Blades
Blower Casings
Fuel Oil Tanks
Unit Conditioners
Stoker Hoppers

Armco Zincgrip

A special galvanized sheet that can be severely formed without peeling or flaking of the zinc coating.

Cold Rolled

(Sheets and Strip)

Furnace Casings
Room Unit Casings

Plates

(Armco Ingot Iron)

Smoke Stacks
Coal Hoppers
Breeching
Unfired Pressure Vessels
Low-fired Boilers
Tanks

Armco H. T.-50

A low alloy, high tensile steel possessing great strength. Used with proper design it results in weight reduction of framework, tanks and similar items. Under atmospheric service conditions it has four to six times the resistance of regular steel.

Stainless Steel

(Sheets, Strip and Plate)

Combustion Chambers
Heat Flues and Tubes
Furnace Casing Trim
Grilles
Corrosion Resistance
Fan and Blower Blades
Heat Resistance without destructive scaling up to 1600° F. or higher.

Other Armco Products

The grades for these applications are only a few that Armco makes. Others include copper-bearing sheets and plates and open-hearth steel, either galvanized or uncoated.

Bethlehem Steel Company

General Offices: Bethlehem, Pa.

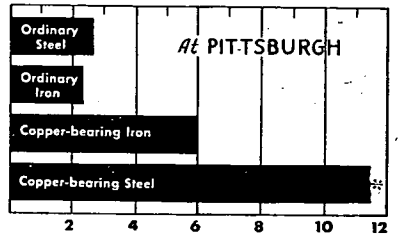
Bethlehem Steel Company, General Offices: Bethlehem, Pa. District Offices: Albany, Atlanta, Baltimore, Boston, Buffalo, Chicago, Cincinnati, Cleveland, Columbus, Dallas, Detroit, Honolulu, Houston, Indianapolis, Johnstown, Pa., Kansas City, Mo., Los Angeles, Louisville, Ky., Milwaukee, Nashville, New Haven, New York, Philadelphia, Pittsburgh, Portland, Ore., St. Louis, St. Paul, Salt Lake City, San Antonio, San Francisco, Savannah, Seattle, Syracuse, Toledo, Tulsa, Washington, Wilkes-Barre, York. Export Distributor: Bethlehem Steel Export Corporation, New York.

SOME FACTS ON CORROSION-RESISTANCE OF STEEL and advantages of copper-bearing Beth-Cu-Loy

Beginning some twenty years ago, the *American Society for Testing Materials* started a number of tests to determine the corrosion-resistance in atmosphere of various irons and steels. The charts at the right summarize the results to date; compare the life, in atmosphere, of the four most generally used materials. These tests are worth remembering when buying or specifying iron or steel—they show one material, copper-bearing steel, to be definitely superior.

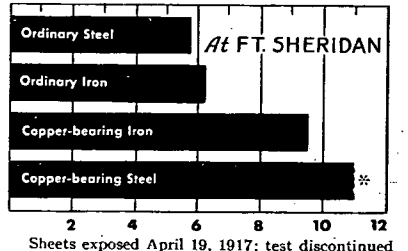
Beth-Cu-Loy, Bethlehem's copper-bearing steel, is of the identical composition as that shown by the lower bar of each chart. It is available in the form of sheets, pipe, and plates. It costs only 3 to 5 per cent more than ordinary steel—the tests show that it has from 2 to 2½ times the resistance to rust. It costs considerably less than open-hearth or copper-bearing iron.

A.S.T.M. Test of 22-gage sheets
Years to average first failure of 4 materials



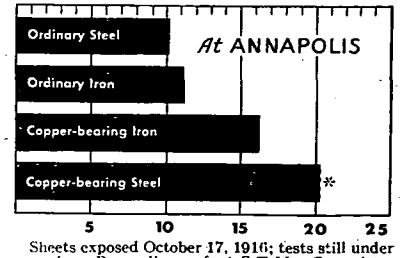
Sheets exposed April 21, 1926; tests still under way (see Proceedings of *A.S.T.M.*—Committee A-5, Vol. 38).

*No failures in copper-bearing steel sheets at last report.



Sheets exposed April 19, 1917; test discontinued April 16, 1928 (see Proceedings of *A.S.T.M.*—Committee A-5, Vol. 28).

*Only 10 of 61 copper-bearing steel sheets had failed when test was discontinued.



Sheets exposed October 17, 1916; tests still under way (see Proceedings of *A.S.T.M.*—Committee A-5, Vol. 38).

*Only 9 of 78 copper-bearing steel sheets had failed at last report.

A new booklet, "Beth-Cu-Loy Sheets," gives the story of these tests. A copy is yours for the asking.

BETHLEHEM MAKES:

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

Steel Pipe—all sizes and weights, butt-welded and lap-welded—available in Beth-Cu-Loy.

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. Available in Beth-Cu-Loy.

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 office in Bethlehem, Pa.