The American Brass Company

General Offices—Waterbury, Conn.

Manufacturing Plants:

ANSONIA, CONN., TORRINGTON, CONN., WATERBURY, CONN., BUFFALO, N. Y., DETROIT, MICH., KENOSHA, WIS.

Offices and Agencies:

BOSTON, MASS., One Forty Federal St.
SYRACUSE, N. Y., 207 E. Genesee St.
PROVIDENCE, R. I., 131 Dorrance St.
NEW YORK, N. Y., 25 Broadway
NEWARK, N. J., 20 Branford Place
PHILADELPHIA, PA., 117 South 17th St.
WASHINGTON, D. C., 1511 K St., N.W.
ATLANTA, GA., 66 Luckie St.
PITTSBURGH, PA., 1228 Brighton Road
CLEVELAND, OHIO, 2906 Chester Ave.
DAYTON, OHIO, 32 North Main St.
CINCINNATI, OHIO, 101 West 4th St.
CHICAGO, ILL., 1326 W. Washington Blvd.
ST. LOUIS, MO., 408 Pine St.
HOUSTON, TEXAS, 609 Fannin St.
SAN FRANCISCO, CALIF., 235 Montgomery St.
LOS ANGELES, CALIF., 411 West Fifth St.

CANADIAN PLANT: ANACONDA AMERICAN BRASS LIMITED, New Toronto, Ontario

PRODUCTS—Anaconda Deoxidized Copper Tubes and Fittings; Anaconda "85" Red-Brass Pipe; Everdur Metal for storage heaters, storage tanks, ducts and air conditioning equipment

ANACONDA
from mine to consumer

ANACONDA COPPER TUBES AND FITTINGS

For Heating, Plumbing and Air Conditioning

Anaconda Deoxidized Copper Water Tubes assembled with Anaconda Fittings offer an unusual combination of advantages in hot water heating systems at a cost only slightly higher than black iron and approximately the same as wrought iron pipe. These advantages may briefly be summarized as follows:

Complete Immunity to Rust—Copper heating lines can never rust through to leak, nor will they become clogged with rust deposits. This means long service at a minimum of upkeep expense.

Low Friction Loss—Because the inside surfaces of copper tubes do not become roughened by the formation of rust, these tubes offer a minimum resistance to flow. In addition, the long radius turns of Anaconda Elbows and the smooth inside surface of Anaconda Wrought Copper Fittings further reduce friction losses.

These factors naturally increase the efficiency of the system, particularly when it includes a forced pressure circulator.

Low Heat Loss—The bright copper tubes radiate much less heat than black iron pipe of the same size.

Ease of Installation—In many installations, a short section of soft copper tube can be installed between the lateral run and the radiator. As these soft tubes can readily be bent by hand, this frequently eliminates several fittings. In many other places, also, the flexibility of soft copper tubes simplifies connections that ordinarily would be awkward and expensive to make with rigid pipe and threaded fittings. Anaconda Solder Fittings are compact. They can be installed in constricted space where the use of a wrench would be impossible.

Architects and builders naturally object to large holes and notches cut in the framing members of a building for the passage of piping. Anaconda Copper Tubes can be installed with a minimum of cutting in the structure, although holes should be large enough to permit movement of tubes due to expansion and contraction.

Appearance — Anaconda Deoxidized Copper Water Tubes assembled with Anaconda Solder Fittings present an attractive appearance. It is customary practice to clean the tubes after they are installed and apply a coat of clear lacquer or similar substance. This treatment keeps the tubes bright and makes an installation of which both the plumber and owner can be proud.

Temper and Gauges—Anaconda Copper Tubes are made in both hard and soft temper and in three types as to wall thickness. Designated as types K, L and M, they meet the requirements for these types of tubes in U. S. Government Specification WW-T-799* and A.S.T.M. Specification B-88-33*. Type K, the heaviest, is recommended for heating lines and general piping. Type L tubes are suitable for interior plumbing. Type M tubes are not recommended for heating lines.

Accuracy of Dimensions—Anaconda Deoxidized Copper Water Tubes are all finished to the close tolerances required by the A.S.T.M. and Federal Specifications,

*Specifications for Type M tubes, call for hard drawn tubes only.

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which have been found essential for efficient assembly with solder fittings.

Permanent Identification—For permanent identification, the name "Anaconda" and the letter designating the type of tube is stamped in the metal at intervals of approximately 18 in., throughout every coil or straight length of tube.

Availability—Anaconda Copper Tubes, in all standard sizes, are carried in stock by distributors of Anaconda Pipe, located in the principal trading areas of the country. These tubes, in sizes up to and including 1¼ in. are furnished soft in 30, 45 and 60-ft coils; also hard and soft in 20-ft straight lengths. Sizes over 1¼ in. are furnished, hard or soft, in straight lengths only.

ANACONDA SOLDER FITTINGS

Anaconda Solder Fittings are available in both wrought copper and cast bronze. They are made to the exacting dimensions so essential for sound, leak-proof joints. Smooth inside surfaces permit quick, thorough cleaning which is necessary for satisfactory soldered connections. Deep cups, with adequate shoulders for the tubes to butt against, provide a maximum area for the solder bond.

All Anaconda Solder Fittings are tested to 90 lb air pressure under water, which is the equivalent of 400 to 450 lb water pressure. They are so designed as to offer a minimum of resistance to the flow of water.

Anaconda Wrought Copper Solder Fittings—Anaconda Wrought Copper Solder Fittings provide copper to copper connections. They are uniformly true to size, of one piece, seamless construction, and are free from porosity—features which make these fittings ideal not only for heating lines but also for air conditioning and refrigerating installations, where the penetrating power of the commonly used refrigerants demands absolute freedom from porosity.

The American Brass Company offers Anaconda Wrought Copper Solder Fittings, including elbows, tees, couplings, unions, and a complete range of reduction and adapter combinations from ¼ in. to 4 in. inclusive.

Anaconda Cast Bronze Solder Fittings—Anaconda Cast Bronze Solder Fittings are extensively used for interior plumbing. They are available in all standard sizes from ¼ in. to 10 in. (sizes up to 4 in. are carried in stock), in a complete line of elbows, tees, couplings and unions, including all standard reduction and adapter combinations. With such a broad range of Cast Bronze Solder Fittings, any usual type of connection can be made without resorting to the trouble and expense of using combinations of fittings.

Literature — Anaconda Deoxidized Copper Tubes, Fittings, Solder and Accessories are discussed at length in Anaconda Publication B-1, Tenth Edition. Copies will be mailed to Heating, Piping, Ventilating and Air Conditioning Engineers on request.

ANACONDA "85" RED-BRASS PIPE

Anaconda "85" Red-Brass Pipe, in standard pipe sizes, is offered as the highest quality corrosion-resistant pipe commercially obtainable at a moderate price and is recommended for steam return lines.

Anaconda "85" Red-Brass Pipe contains 85 per cent copper and conforms to government specifications for Grade "A" water pipe. The words "Anaconda 85 Red-Brass" are stamped in the metal at intervals of one foot throughout each length.

EVERDUR METAL

***Everdur Tanks**—Nearly all copper, Everdur is a special non-rust alloy which combines high strength and complete immunity to rust with ready weldability. It is an ideal material for durable, rustless water tanks of every description—from domestic range boilers to giant storage heaters for hotels, laundries, hospitals, textile plants, schools or breweries.

Everdur is made in all commercial shapes, including tank plates which have physical properties as given in A.S.T.M. tentative specifications B96-34T. For additional data, and names of fabricators, address our nearest office or agency.

Everdur for Air Conditioning Equipment—Everdur Metal has been used with marked success for fans and blowers, ducts, humidifiers (air washers) and for various cast and wrought parts of other equipment items subject to corrosive influences.

Because of its strength and welding properties, Everdur may be substituted for steel in the same gauges, fabricated by substantially the same methods, and with the same equipment.

*"Everdur" is a registered trademark identifying products of The American Brass Company made from alloys of copper, silicon and other elements.