

Armstrong Machine Works

851 Maple Street

Three Rivers, Mich.

Exclusive Manufacturers of Armstrong Inverted-Bucket Steam Traps

ARMSTRONG



REPRESENTATIVES

Atlanta, Ga., J. M. Tull Metal & Supply Co., Inc., 285 Marietta St., N.W.
 Baltimore, Md., Milby & McKinney, 218 Water St.
 Birmingham, Ala., Southeastern Products Co., 1401 Lomb Ave.
 Boston, Mass., Files Steam Specialty Co., 261 Franklin St.
 Buffalo, N. Y., Herr Steam Specialty Co., 360 Warwick Ave.
 Charleston, W. Va., Baldwin Supply Co., 518 Capitol St.
 Chicago, Ill., Barrett-Christie Co., 108-112 N. Clinton St.
 Dallas, Texas, Geo. B. Allan & Co., North Texas Bldg.
 Denver, Colo., Hendrie-Bolthoff Mfg. & Supply Co., 1637-17th St.
 Des Moines, Iowa, E. B. Carr, 627 Insurance Exchange Bldg.
 Detroit, Mich., A. F. Squier, 2081 Blaine Ave.
 Duluth, Minn., John E. Smith, 1721 W. Michigan St.
 Erie, Pa., Coblenz Equipment Co., 1119 Peach St.
 Evansville, Ind., Evansville Supply Co., Esco Bldg.
 Fond du Lac, Wis., A. N. Goff, 94 Eighth St.
 Honolulu, T. H., The von Hamm-Young Co., Ltd.
 Indianapolis, Ind., Indiana Belting & Supply Co., 34 S. Capitol Ave.
 Kansas City, Mo., Hughes Machinery Co., 342 Mrs. Exchange Bldg.
 Knoxville, Tenn., Leinart Engineering Co., 427 Walnut St.
 Los Angeles, Calif., Guy L. Warden, 114 West 17th St.
 Louisville, Ky., Graft-Pelle Co., 116 N. Third St.
 Memphis, Tenn., The Power Equipment Co., 1352 Madison Ave.

Milwaukee, Wis., Hamacher & Williams, 2540 W. Wells St.
 Minneapolis, Minn., Albert C. Price Co., 257 Fourth Ave.
 Montreal, Quebec, Preston, Phipps Inc., 955 St. James St. W.
 New Orleans, La., Louisiana Steam Equipment Co., 109 Tchoupitoulas St.
 New York, N. Y., Advance Engineering Co., 69 Dey St.
 Philadelphia, Pa., Brogan & Co., 810 Race St.
 Phoenix, Ariz., John W. Ladlow, Box 1784.
 Pittsburgh, Pa., R. S. Eastman Co., 222 First Ave.
 Portland, Ore., Heating and Ventilating Equipment Co., 927 S. W. Oak St.
 Richmond, Va., A. T. Shepherd, 411-12 Tenth St. Bldg.
 St. Louis, Mo., O'Brien Equipment Co., 2726 Locust Blvd.
 Salt Lake City, Utah, Mrs. Sales & Service Co., 144 S. Fifth West St.
 San Francisco, Calif., Refrigerating & Power Specialties Co., 380 Brannon St.
 Seattle, Wash., Heating & Ventilating Equipment, Inc., 500 First Ave., South.
 South Bend, Ind., Smith-Monroe Co., 1912 S. Main St.
 Spokane, Wash., R. A. Halstead, P. O. Box 1359.
 Syracuse, N. Y., The Hopton Co., 321 Denison Bldg.
 Tampa, Fla., G. W. Neale, 504 E. LaFayette St.
 Toronto, Ont., Arthur S. Leitch Co., Ltd., 1123 Bay St.
 Vancouver, B. C., General Equipment, Ltd., 410 Homer St.
 Winnipeg, Man., Kipp-Kelly, Ltd., 68 Higgins Ave.
 Wooster, Ohio, Steam Economies Co., 1011 Beall Ave.

Armstrong traps are offered in two types for heating service, "standard" traps and "blast" traps. Standard traps are used for dripping headers and unit heaters where little air is to be handled. Where large volumes of air must be removed quickly, the blast trap is available.

The "Blast" Type Trap—The standard Armstrong trap can easily be furnished as a "blast" type trap by the use of a thermic bucket. The air handling capacity of this bucket is approximately 100 times as great as with the regular air vent.

Simplicity—The Armstrong Steam Trap has only two moving parts—the valve lever assembly and the inverted bucket. Friction is practically eliminated in this mechanism. All wearing parts are

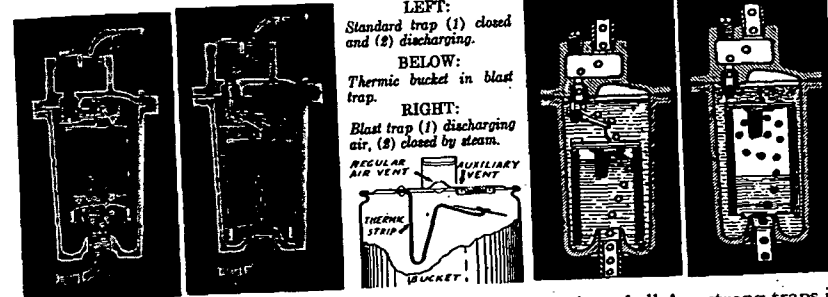
made from nickel chrome steel except the discharge valve and seat which are made from a special chrome steel heat treated after machining to obtain maximum hardness and toughness.

Avoid Steam Trap Troubles—The intermittent action of this trap and the metal used in the valves stop scoring and wire-drawing, the common sources of leakage. Air-binding is impossible because the air passes out of the bucket ahead of the steam through the vent at the top. When the trap is discharging, the flow of water under the bottom of the bucket prevents the accumulation of any dirt or sediment.

Large Capacity—Discharge orifices used in Armstrong traps are very large in

HOW THE ARMSTRONG STEAM TRAP WORKS

The Standard Trap The "Blast" Trap

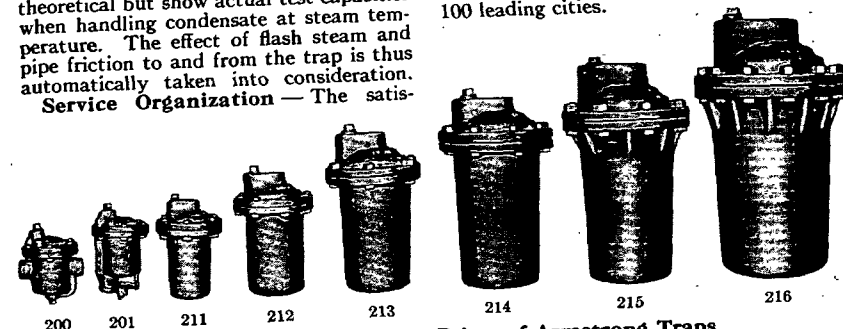


proportion to the size of the pipe connections.

Armstrong trap capacity ratings are not theoretical but show actual test capacities when handling condensate at steam temperature. The effect of flash steam and pipe friction to and from the trap is thus automatically taken into consideration.

Service Organization—The satis-

factory operation of all Armstrong traps is assured by 44 district representatives in the United States, Canada and Hawaii. Stocks of these traps are carried in nearly 100 leading cities.



Sizes, Capacities and List Prices of Armstrong Traps

Trap Size	No. 200 and 201	No. 211	No. 212	No. 213	No. 214	No. 215	No. 216
Pipe Connections.....	1/2"	1/2"	1/2" or 3/4"	1/2" or 3/4"	1"	1" or 1 1/4"	1 1/2" or 2"
List Price (Regular).....	\$7.00	\$9.25	\$15.00	\$20.75	\$29.00	\$38.00	\$55.00
List Price (Blast Trap).....	\$8.50	\$10.75	\$17.00	\$22.75	\$31.50	\$40.50	\$60.00
Telegraph Code (Regular).....	Acacia Acanthus Acacette	Aspen	Birch	Walnut	Hemlock	Larch	Tamarack
Telegraph Code (Blast Trap).....	Acacette	Aspette	Birette	Walette	Hemlette	Larette	Tamrette
Height.....	4 1/4"	6 3/8"	8"	10 1/4"	12 1/2"	14"	16 1/4"
Diameter.....	4 1/4"	4 1/4"	5"	6 1/4"	7 1/4"	8 1/4"	10 1/4"
Weight.....	4 Lb.	5 1/2 Lb.	10 1/2 Lb.	19 Lb.	32 Lb.	47 Lb.	76 Lb.
Maximum Pressure.....	125	200	200	250	250	250	250
Continuous discharge capacity in lbs. of water per hour at pressure indicated. For more complete information, see the Capacity Chart in the Armstrong Steam Trap Book.	5	450	840	1560	3000	4600	7600
	10	560	1000	1900	3500	5600	9100
	15	640	1080	2060	3900	6300	10,000
	20	690	1150	2180	4100	6700	10,800
	25	730	1220	2300	4300	7100	11,600
	30	770	1290	2420	4500	7400	12,400
	40	850	1400	2650	4900	8100	13,600
	50	930	1520	2880	5300	8800	14,800
	60	1010	1640	3110	5700	9500	16,000
	70	1090	1760	3340	6100	10,200	17,200
*If 3/4 in. connections are desired, order No. 202 for straight way or No. 203 for angles.	80	1170	1880	3570	6500	10,900	18,400
	90	1250	2000	3800	6900	11,600	19,600
	100	1330	2120	4030	7300	12,300	20,800
	125	1510	2480	4690	8300	14,000	24,000
	250	3020	4960	9380	16600	28000	48000