251 GALVANIC CORROSION — International Nickel Co, 67 Wall St, New York 5, N. Y. *16-page booklet* covers some of the factors influencing galvanic corrosion and also presents data on how galvanic effects can be minimized.

252 SMALL CASTINGS—Precise Castings Corp, 123 Van Buren St, Newark 3, N. J. 8-page folder gives advantages of Precision castings. Photo visualizes sizes and shapes of castings.

253 ROLLED SHEET AND PLATE—Ampco Metal, Inc, 1745 S 38th St, Milwaukee 4, Wis. 4-page bulletin No. 94, entitled "Ampco Rolled Sheet and Plate," discusses bronze rolled sheet and plate produced from centrifugally cast slabs of Ampco Metal Grade 8.

254 NICKEL ALLOY CASTINGS—International Nickel Co, 67 Wall St, New York 5, N. Y. 8-page booklet, with abrasion problem questionnaire, presents facilities, specialties and locations of authorized producers of Ni-Hard, a nickel-chromium white alloy cast iron.

METERS AND INSTRUMENTS, ELECTRIC

258 CONDUCTIVITY MEASUREMENTS — Industrial Instruments, Inc, 17 Pollock Ave, Jersey City 5, N. J. Bulletin, entitled "Conductivity Measurements in Boiler Operation," describes manual and automatic equipment for measuring electrolytic conductivity of condensed steam, boiler water, raw water and return condensate.

259 THICKNESS GAGE—Scott Electrofux Co, 400 Main St, Waltham 54, Mass. 4-page booklet discusses Electrofux thickness gage for nondestructive measuring of corrosion and wall thickness.

260 TESTING AND MEASURING EQUIPMENT — Apparatus Dept, General Electric Co, Schenectady 5, N. Y. 44-page catalog gives information on more than 80 modern equipments for specialized testing and measuring.

261 INSULATION TESTERS — James G Biddle Co, 1316 Arch St, Philadelphia 7, Pa. 16-page manual No. 31J-49 contains up-to-date information on insulation resistance testing and how to use the various Megger insulation testers.

262 SMALL MULTIBREAKER — Cutler-Hammer, Inc, 324 N 12th St, Milwaukee 1, Wis. 4-page folder No. MS-20 presents features of the new Cutler-Hammer MO-4 multibreaker.

263 CURRENT LIMITER — Burndy Engrg Co, 107 Bruckner Blvd, New York, 54, N. Y. Bulletin 4623 covers high-capacity limiters for industrial interrupting systems up to 600 v. Many graphs and oscillograms are given, showing performance characteristics of Limiters.

264 FEEDER VOLTAGE REGULATOR — Allis-Chalmers Mfg Co, Milwaukee 1, Wis. 24-page bulletin No. 01B6065A describes operating and construction features of Allis-Chalmers transformer-type DFR ⅝% step feeder voltage regulator.

265 SELENIUM RECTIFIERS — Selenium Div, Radio Receptor Co, 251 W 19th St, New York 11, N. Y. 8-page bulletin describes selenium rectifiers for dc requirements having ranges of voltage and currents. This bulletin lists electrical characteristics and dimensions.

266 INSULATION AND GROUND RESISTANCE TESTING — Associated Research, Inc, 231 S Green St, Chicago 7, Ill. Catalog contains technical information and engineering data on insulation and ground resistance testing, and insulation and engineering data on insulation shown are ohmmeters, ammeters, soil resistivity meters, limits bridges, transformers and tachometers.

267 IMPROVED LIGHTING—Fostoria Pressed Steel Corp, Fostoria, Ohio. 6-page folder No. LMP-148-80M gives typical examples of lighting each worker's job. Table shows levels of illumination required to light work areas.

METERS AND INSTRUMENTS, MECHANICAL

271 TEMPERATURE REGULATOR — Leeds Co, 60 Belfield Ave, Lynnhurst, N. J. 4-page folder, entitled "Controlled Heat," describes line of Class T self-contained, self-acting, temperature regulators.

272 ORIFICE FLOWMETER — American District Steam Co, North Tonawanda, N. Y. 12-page bulletin No. 28-82A describes Adaco flowmeter of orifice design for indicating, recording and integrating flow of steam, gas and air.

273 PLASTIC-TUBE MANOMETERS —P W Dwyer Mfg Co, 317 S Western Ave, Chicago 12, Ill. Bulletin No. 171 presents Dwyer Flex-Tube manometers for providing accurate pressure, vacuum or differential readings.

274 HOOK GAGE—P W Dwyer Mfg Co, 317 S Western Ave, Chicago 12, Ill. Bulletin No. 176 discusses a transparent hook gage for low-pressure and vacuum measurements.

275 ROTAMETER TUBE — Schutte & Koerting Co, 12th & Thompson St, Philadelphia 23, Pa. Bulletin sheet No. 18-R3 gives a complete description of HCF tube for SK Rotameters.

276 VISCOSITY MEASUREMENT INSTRUMENT — Dept 62-H, Fischer & Porter Co, Hatboro, Pa. 4-page bulletin No. 28 covers construction of Fischer & Porter viscorator continuous viscosimeter. Capacities and dimensions are given.

277 THERMOCOUPLE AND PYROMETER ACCESSORIES—Bristol Co, Waterbury 91, Conn. Bulletin No. P1228 discusses thermocouples, protection tubes and pyrometer accessories. It contains a chart and engineering data on selecting right thermocouple and protection tube.

278 MEASURING INSTRUMENTS — Esterline-Angus Co, Indianapolis, Ind. "Solving Industrial Crimes, No. 24" shows typical examples where use of company's instruments saved time and money. Pictures show applications and installations.

279 OPERATION RECORDERS — Esterline-Angus Co, Indianapolis, Ind. 16-page bulletin No. 547 contains a factual description of operation recorder, its design features, methods of installation and applications.

280 FILTER GAGES — P W Dwyer Mfg Co, 317 S Western Ave, Chicago, Ill. Air filter gages described in bulletin No. 187 are designed to cut down filter maintenance, by warning against accumulated dust and dirt.

281 INDICATORS—Schutte & Koerting Co, 13th & Thompson St, Philadelphia 23, Pa. 36-page bulletin No. 18-R covers various regulators and special SK Rotameters. Also presents descriptions of several types of SK flow indicators, specific gravity indicators, flow alarms and related equipment.

282 BEARING TEMPERATURE MONITOR—Instrument div, Thomas A Edison, Inc, West Orange, N. J. 12-page bulletin No. 5012 discusses operation of Edison critical temperature monitor. Advantages of this monitor are given.

283 TURBIDITY RECORDER—Esterline-Angus Instrument Co, Bargenfield, N. J. 2-page bulletin No. 504 gives operation and application of the new TII-6 turbidity recorder.

284 TORQUE INDICATORS — Binghawk Mfg Co, Milwaukee 1, Wis. 4-page bulletin No. 46T lists six torque indicator models, with capacities ranging from 50 to 1000 ftlb.

285 ELECTRONIC SCRIBER—Wheelco Instruments Co, 847 W Harrison St, Chicago 7, Ill. 2-page bulletin No. C2-1 describes a new electronically operated scriber for measurement, indication, control and permanent record of variables.

286 GAS INDICATORS—Gow-Mac Instrument Co, Newark 5, N. J. 4-page booklet No. RP 8-47 discusses Gow-Mac Ever-Rite thermal conductivity units for gas analysis.

287 INDICATING RECORDERS AND CONTROLLERS—Leeds & Northrup Co, 4934 Stenton Ave, Philadelphia 44, Pa. 16-page catalog presents specifications for automatic indicating recorders, and indicating and recording controllers.

288 MICRO-GAS ANALYZER — Davis Emergency Equipment Co, 45 Halleck St, Newark 4, N. J. Technical bulletin No. 1143 describes the new Davis microgas analyzer for the determination and analysation of gases or vapors within their toxic range.

289 TENSILE STRENGTH TESTER—Thwing-Albert Instrument Co, Penn St and Pulaski Ave, Philadelphia 44, Pa. 16-page booklet No. P-478 describes Thwing-Albert electro-hydraulic tensile strength tester. Among the material included is a brief historical background, breakdown of instrument in component parts, diagrams and pictures, models and ranges available, operational details, accessory items, etc.

290 INSTRUMENT PANELS — Fairchild Co, Fairchild Ct, Passaic, N. J. 8-page bulletin presents Fairchild instrument panels and cubicles. Instructions for ordering standard panels are given. Photographs and diagrams of equipment are included.

291 TURBIDITY RECORDER—Esterline Instrument Co, Bergenfield, N. J. 2-page bulletin No. 504 gives operation and application of the new TII-6 turbidity recorder.

292 CHRONOMETRIC TACHOMETERS—Herman H Sticht Co, 27 Park Pl, New York 7, N. Y. 4-page bulletin No. 738 presents Jaquet speed indicators, imported from Switzerland.

PIPING AND FITTINGS

293 WELDING FITTINGS — Taylor Forge & Pipe Works, P O Box 485, Chicago 90, Ill. Pocket-sized folder No. 478 presents Taylor alloy fittings and flanges in easy-to-refer-to items.

294 INDUSTRIAL FLOATS—Dept N, Chicago Float Works, Inc, 3235 Western Ave, Chicago 8, Ill. 20-page catalog describes complete line of copper, steel, monel and stainless-steel industrial floats.

295 PIPE SUPPORT—Pipe Suspension Div, C H Leibfried Mfg Corp, 87 Guernsey St, Brooklyn 22, N. Y. 4-page catalog No. 116 gives design and installation of Leibfried Hedtop pipe support. Tables show supporting load, dimensions, net weight and list prices.

296 STAINLESS-STEEL FITTINGS—John B Astell & Co, 90 W Broadway, New York 7, N. Y. 4-page folder explains fabrication of Robinson light-wall stainless-steel welding fittings.

297 WROUGHT-IRON PIPING—A M Byers Co, Pittsburgh, Pa. 20-page booklet tells what wrought iron is, why it resists corrosion and withstands shock and vibration, how it is made, and how it is bent, welded and threaded. The various services for wrought iron pipe and plates are also discussed.

298 STAINLESS-STEEL PIPING AND FITTINGS—John B Astell & Co, 90 W Broadway, New York 7, N. Y. 8-page bulletin discusses application of stainless-steel piping, tubing and fittings in various industries where different types of corrosion are encountered.

299 PIPE FITTINGS—Tube Turns, Inc, 144 E Broadway, Louisville 1, Ky. 20-page supplement to data book No. 111 is devoted to specifications that cover new items in line of Tube-Turn fittings.

300 PIPE COILS—Frick Co, Waynesboro, Pa. 6-page bulletin No. 166-C describes Frick VW coils for refrigeration work. Pictures show many kinds of Frick coils and welded work. Diagrams are included.

301 WELDING FITTINGS — Tube Turns, Inc, 224 E Broadway, Louisville 1, Ky. Booklet, entitled "Allowable Working Pressures," gives allowable working pressures for Tube-Turn welding fittings in five classes of piping.

Tube Turns

INCORPORATED

General Offices and Factory: Louisville 1, Ky.

BRANCH OFFICES

CHICAGO, Suite 904, 000 S. Michigan Ave. Harrison 8527
DETROIT, 615 Griswold St. Cherry 8200
HOUSTON, 1706 Commerce Bldg. Charter 4-1668
LOS ANGELES, 1460 W. Washington Blvd. Prospect 8745
NEW YORK, 150 Broadway Rector 2-7844
PHILADELPHIA, Broad Street Station Bldg. Rittenhouse 6-0723
PITTSBURGH, 3001 Grant Bldg. Atlantic 8848
TULSA, 311 Tulsoma Bldg. 2-8153
SAN FRANCISCO, 2611 Russ Bldg. Garfield 1-2594

DISTRIBUTORS IN PRINCIPAL CITIES



In addition to carbon steel welding fittings listed here, the complete Tube-Turn line embraces many alloys—types 304, 347 and 316 stainless, carbon moly and chrome moly steels, copper, aluminum, brass, Monel, Inconel, nickel and wrought iron. Dimensions and engineering data are included in the Tube-Turn *Stainless Steel Catalog* and *Catalog No. 111*, sent on request.

TUBE-TURN WELDING FITTINGS—RANGE OF SIZES

Type of Fitting	Description	Standard Weight	Extra Strong	Schedule 160	Double Extra Strong	Light Gauge Nominal Pipe Size	Light Gauge Iron Pipe Size
Elbows	90° Long Radius	½"-24"	½"-24"	1"-12"	½"-8"	½"-24"	½"-12"
Elbows	90° Short Radius	½"-30"	½"-30"				
Elbows	45° Long Radius	½"-30"*	½"-30"*	1"-12"	½"-8"	½"-24"	½"-12"
Returns	180° Long Radius	½"-24"	½"-24"	1"-12"	½"-8"	½"-24"	½"-12"
Returns	180° Short Radius	1"-30"	1½"-30"				
Returns	180° Extra Long Radius	1"-30"*	1"-24"*	1"-12"	½"-8"	½"-24"	½"-12"
Tees	Straight	½"-24"	½"-24"	1"-12"	½"-8"		
Tees	Reducing Outlet	½"-24"	½"-24"	1"-12"	½"-8"		
Reducers	Concentric & Eccentric	1"-24"×½" to 1"-24"×1"	1"-24"×½" to 1"-24"×1"	1"-12"×½" to 1"-12"×1"	1"-8"×½" to 1"-8"×1"		
Caps		1"-24"	1"-24"	1"-12"	1"-8"		
Stub Ends	Lap Joint	1"-24"	1"-24"				
Nipples	Shaped, 90° to Header	1¼"-12"	1¼"-12"				
Nipples	Shaped, 45° to Header	2"-24"**					
Saddles		2"-24"					
Laterals	Straight	1¼"-24"	1¼"-24"				
Laterals	Reducing-on-Run	1½"-24"	1½"-24"				
Crosses	Straight	1½"-24"	1½"-24"				
Rings	Welding	1½"-24"	1½"-24"				
Sleeves	Welding	2"-24"**					

SUPER Tube-Turn 45° long radius elbows, 90° long radius elbows, and 180° long radius returns available in both Standard weight and Extra Strong in sizes from ½" to 12". Tube-Turn welding fittings and flanges conform to applicable ASA and ASTM Standards. For further details please refer to Tube Turns catalog and data book No. 111.

*30 in. size short radius. **Do not conform to iron pipe thicknesses.

TUBE-TURN FORGED STEEL FLANGES—RANGE OF SIZES

	150 Lb.	300 Lb.	400 Lb.	600 Lb.	900 Lb.	1500 Lb.	2500 Lb.
Welding Neck	½"-24"	½"-24"	½"-24"	½"-24"	½"-24"	½"-24"	½"-24"
Slip-On	½"-24"	½"-24"	½"-24"	½"-24"	½"-24"	½"-24"	½"-24"
Lap Joint	½"-24"	½"-24"	½"-24"	½"-24"	½"-24"	½"-24"	½"-24"
Threaded	½"-24"	½"-24"	½"-24"	½"-24"	½"-24"	½"-24"	½"-12"
Blind	½"-24"	½"-24"	½"-24"	½"-24"	½"-24"	½"-24"	½"-24"
Socket Type	½"-24"	½"-24"		½"-24"			
Reducing-Threaded or slip-on	1"-24"	1"-24"	1"-24"	1"-24"	1"-24"	1"-24"	1"-12"

†Dimensions on sizes thru 3½ in. same as for 600 lb. flanges.
‡Dimensions on sizes thru 8½ in. same as for 1500 lb. flanges.

