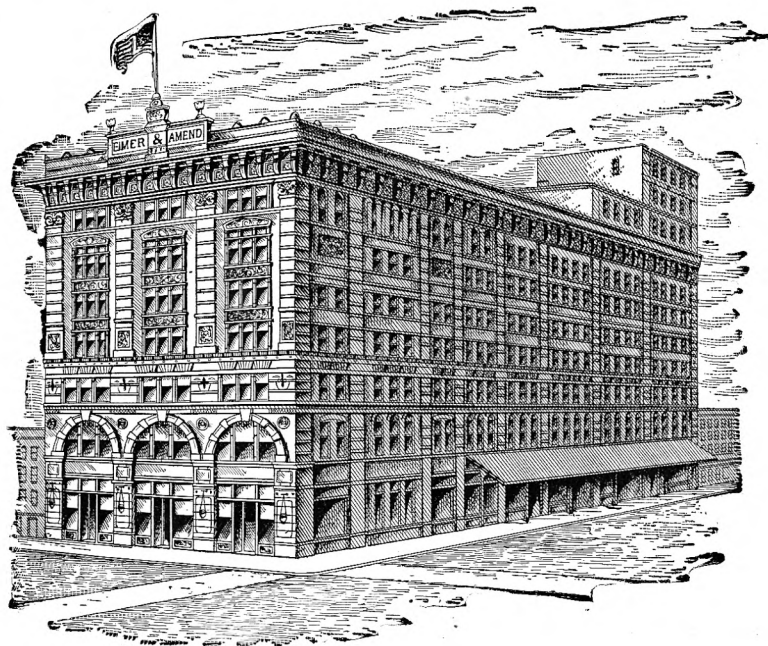


CATALOG C, 1913 EDITION

(REPRINT)

Chemical and Metallurgical
Laboratory Supplies
and Assayers' Materials



EIMER AND AMEND

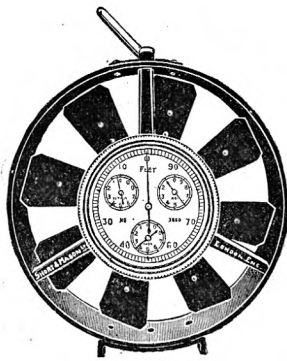
Founded 1851

Executive Offices and Store Rooms

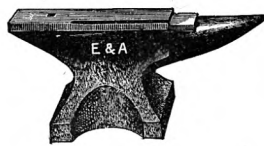
Third Avenue, 18th and 19th Sts.

Branch Office and Showroom
2011 Jenkins Arcade
PITTSBURGH, PA.

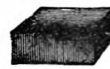
NEW YORK, N. Y.
At 18th Street Station Elevated R. R.
and near 18th Street Subway Station



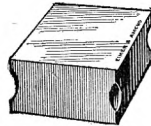
128-132



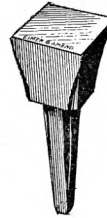
136



134

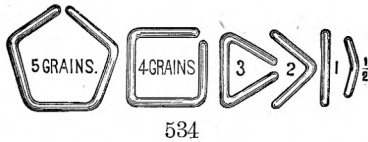
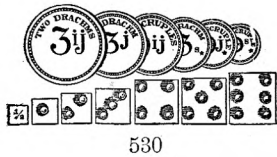


138

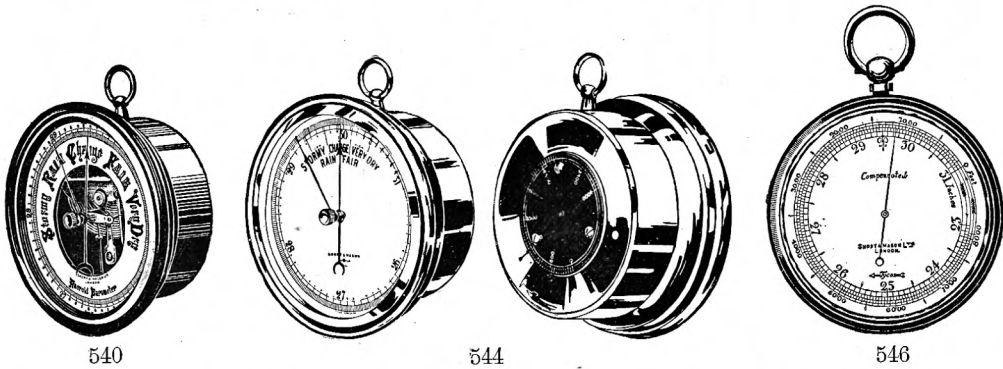


140

128. **ANEMOMETER**—Biram's pattern with zero setting attachment. For registering the velocity of currents of air in mines, tunnels, etc., the revolutions of which are recorded on a dial in the centre of the instrument. Diameter 3 inches, 2 dials reading to 1,000 ft., in morocco case..... 35.00
130. Ditto—Diameter 4 inches, 4 dials reading to 100,000 ft., in morocco case..... 40.00
132. Ditto—High Speed, as No. 128, for very strong blast currents, registering to 200,000 ft., with disconnecter, and zero setting attachment; complete in leather case..... 60.00
134. **ANVILS**—Plattner's, for blow pipe analysis 1½ in. x 1½ in. x ½ in.65
136. Ditto—Regular shape, steel face
- | | | | | |
|-----------------------------|------|------|------|------|
| Weight, lbs..... | 8 | 20 | 30 | 40 |
| Length of face, inches..... | 5½ | 6¼ | 7¼ | 8¾ |
| Each..... | 4.50 | 5.00 | 5.50 | 6.00 |
138. Ditto—Square, cast steel, polished face
- | | | | | |
|-------------|-----|------|------|------|
| Inches..... | 1 | 2 | 3 | 4 |
| Each..... | .65 | 1.30 | 2.40 | 3.50 |
140. Ditto—With point to drive in table, polished square face
- | | | | | |
|-------------|-----|------|------|------|
| Inches..... | 1½ | 2 | 3 | 4 |
| Each..... | .65 | 1.00 | 3.50 | 8.00 |
142. **APRONS**—Laboratory, of rubber cloth, for protecting the clothes..... 1.00
- Rubber over-sleeves..... per pair .40
146. **ASBESTOS**—Sheets, 40 in. x 40 in. fire and acid proof..... per lb. .15
- | | | | | | | | | |
|------------------------------|---|---|---|---|----|----|----|----|
| Thickness, inch..... | ¼ | ⅜ | ½ | ¾ | 1 | 1¼ | 1½ | |
| Approximate weight, lbs..... | 2 | 4 | 6 | 8 | 11 | 14 | 21 | 28 |
148. Ditto—Boards, cut in sheets ⅛ in. thick
- | | | | | | |
|----------------|-----|-----|-----|-----|-------|
| Inches..... | 4x4 | 5x5 | 6x6 | 8x8 | 12x12 |
| Per dozen..... | .35 | .40 | .65 | .90 | 1.20 |
150. Ditto—Cloth, 36 inches wide, fire and acid proof
- | | | | |
|----------------------|------|--------|-------|
| Thickness..... | Fine | Medium | Heavy |
| Per square yard..... | 4.00 | 4.50 | 5.00 |
152. Ditto—Twine, 1 lb balls.
- | | | | |
|---------------------|------|------|------|
| Diameter, inch..... | 1/24 | 1/16 | 1/8 |
| Per lb..... | 1.60 | 1.60 | 1.60 |
154. Ditto—Paper..... per lb. .20
156. Ditto—Wood, much harder than ordinary wood. Acid and fire proof, excellent for insulating purposes. In sheets 36 in. x 48 in.
- | | | | | |
|----------------------|-----|-----|-----|-----|
| Thickness, inch..... | 1/8 | 1/4 | 3/8 | 1/2 |
| Per square foot..... | .15 | .30 | .50 | .70 |
158. Ditto—Wool..... per lb. .30



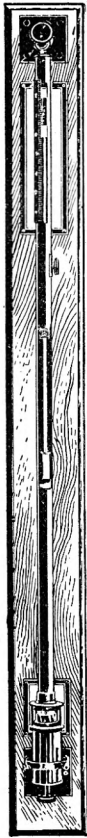
528. **WEIGHTS**—Troy, (ozs. pwts., grs.) solid brass, in wooden block.
 $\frac{1}{2}$ grain up to; ozs. 1 2 5 10 20
 Per set 1.00 1.75 2.50 4.00 7.00
530. Ditto—Troy, Apothecaries, $\frac{1}{2}$ grain to 2 drams. per set .50
532. Ditto—Troy, $\frac{1}{2}$ grain to 1 oz., small weights German silver, larger ones of brass. . . . per set .75
534. Ditto—Troy, aluminum wire, 5 grains to $\frac{1}{2}$ grain. per set .30
536. Ditto—Troy, aluminum, square, 10 grains to $\frac{1}{2}$ grain. per set .50
538. **BALLOONS**—Collodion, for hydrogen.
 Length, inches 6 12 16
 Each50 .85 1.20
- Ditto—Glass, for weighing gases. See Gas Testing Apparatus.



540. **BAROMETER**—Aneroid, in brass case with open porcelain dial, visible works. Diam. 5 in. 8.75
542. Ditto—Diam. 6 in. 12.50
544. Ditto—Aneroid, with patent revolving back, adjustable for any altitude up to 3500 ft. The adjustment is very simple, and no derangement of the working parts is necessary. In brass case 5 inch diameter, porcelain dial 11.00
546. Ditto—Aneroid, watch form $1\frac{3}{4}$ inch diameter, silvered metal dial with fixed altitude scale 8000 ft. in 50 ft. divisions, compensated for temperature; in fine morocco case. 21.00



548. **BAROMETER**—Bunsen's Syphon, plain tube only, unfilled. 1.00
550. Ditto—graduated in millimeters, the tube only. 3.00
552. Ditto—graduated in millimeters, filled with mercury 10.00
554. Ditto—graduated in millimeters, filled with mercury, on support. 12.00



556-562



564



566



568

We pack mercury filled Barometers with the utmost care; notwithstanding this, they are liable to damage in transit, and shipments are made entirely at buyers risk.

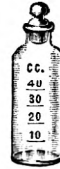
- 556. BAROMETER—United States Signal Service, standard grade; black oxidized finish, silver deposited figures, tube $\frac{1}{4}$ in. bore, engraved stem thermometer. Total length 39 in. For use in an altitude from sea level to 3000 ft. Graduated in mm., vernier 1/10 mm., without board.....net **35.00**
- 558. Ditto—Graduated in inches, vernier 1/100 inch, without board.....net **35.00**
- 560. Ditto—Graduated in inches and mm., without board.....net **37.50**
- 562. Ditto—Oak Board with opal glass reflectors, suspension hook and steadying screws for either of above barometers.....net **7.50**
- 564. Ditto—Mercurial, for school use, black oxidized finish, sliding scale to allow for changing level of mercury in cistern, screw attachment for blocking the mercury. Graduated in inches and mm. with double vernier; complete on oak board with F. & C thermometer.....net **15.00**
- 566. Ditto—School, graduated in inches and 1/10ths; on oak frame with thermometer.....net **8.00**
- 568. Ditto—Syphon, new form, with absolutely tight patent stopcocks, graduated in $\frac{1}{2}$ mm., easily filled or emptied. Price unfilled.....net **14.00**
- Ditto—Tubes—see Tubes.



4070

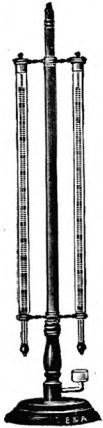


4072

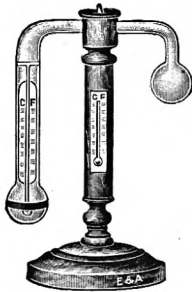


4076

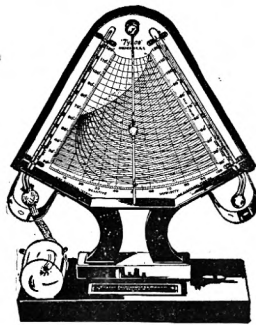
- 4070. **HYDROMETER**—Failyer's, of glass; a combination of Nichols' and Baumé forms, designed for taking Sp. Gr. of minerals 2.75
- 4072. **Ditto**—Saxe's **Areo-Picnometer**, for testing small quantities, only about 3 cc. of solutions being necessary; range 1.000 to 1.060 2.75
- 4074. **Ditto**—Lunge's **Tar Tester**, see Lunge's Tar and Ammonia 24.50
- Ditto**—Jars, see Cylinders 2.75
- 4076. **HYDROTIMETER**—Bouton-Boudet's, for determining the hardness of water by means of soap solution; burette, shaking flask and boiling flask, with directions 2.50



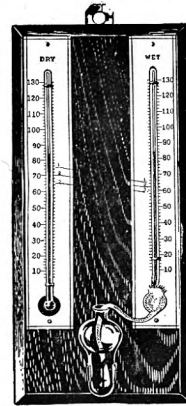
4078



4080

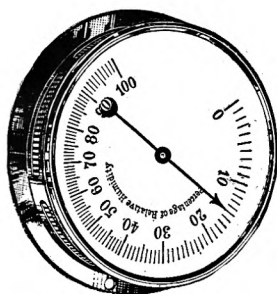


4082



4084

- 4078. **HYGROMETER**—August's, two milk scale thermometers, graduated in 1/10ths, mounted on support 12.00
- 4080. **Ditto**—Daniell's, with thermometer; mounted on support 6.00
- 4082. **Ditto**—Hygrodeik, for determining the relative and absolute humidity, dew point, and foretelling frosts, without any reference to tables; card dial, black japanned iron frame, scale range 20 to 120° F net 9.00
- Extra Thermometers for above each, net 2.50
- Extra silk wicks dozen, net 1.20
- 4084. **Ditto**—Mason's, with brass scales mounted on oak board, size 11x5 inches; scale range approximately 10–140° F; with tables and directions 2.50
- Extra silk wicks dozen 1.50
- 4086. **Ditto**—Mason's **Standard**, best make; black oxidized brass scales, mounted on mahogany finish board, size 11x5 inches; scale range approximately 10–140° F 5.00



4088



4090

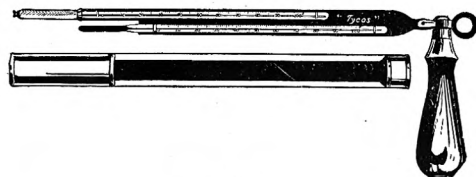


4092



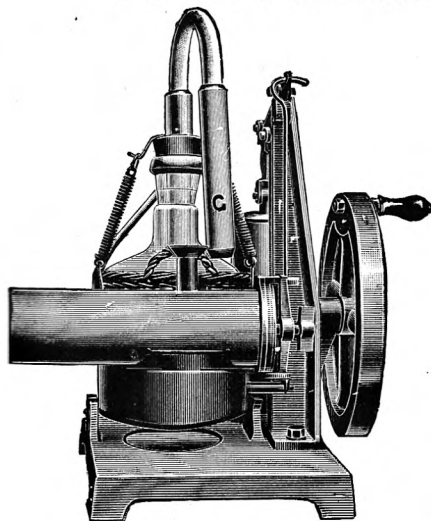
4094

4088. **HYGROMETER**—Precision Hair, more reliable and durable than the ordinary hair hygrometer. Metallic dial 13 cm. diameter, in lacquered brass case. 8.00
4090. **Ditto**—Mithof's, metallic spiral in nickel plated brass case, for direct reading of humidity (4 inch size in lacquered case).
 Diameter, inches. 3 4 5
 Each. 2.00 7.50 9.00
4092. **Ditto**—Weather Bureau pattern, with two thermometers mounted on mahogany finish board 17x5 inches, nickel plated brass cistern, and certificates. 12.00
4094. **Ditto**—Lambrecht's Polymeter. A miniature meteorological observatory, for humidity, atmospheric pressure, dew point, etc., for scientific and hygienic purposes. Invaluable for forecasting the weather. 12.00



4096

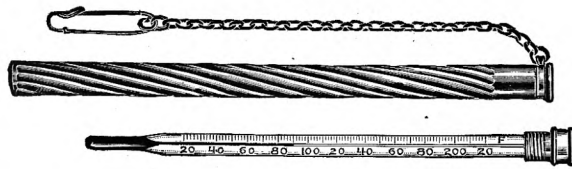
4096. **HYGROMETER**—The Sling Psychrometer, for obtaining quick and more accurate results than are possible with the stationary wet and dry bulb instruments. Scale 0-100° F. in 1/2°, with copper protecting case 16 3/4 inches long. 10.00
 Extra Thermometers each 3.50



4098

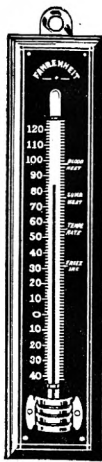
4098. **ICE MACHINE**—Raplin. net 100.00

This is the most simple, effective and economical Hand Ice Machine on the market. It will freeze a carafe of water in three minutes, or make a block of about 1 1/4 pounds of ice in about twenty minutes, by simply turning the handle. No expensive chemicals or freezing powders are required; the only expense is for a small quantity of ordinary Sulphuric Acid Sp. Gr. 1.84 to absorb the vapor. The machine is very handy, especially in out-of-the-way places where ice would not otherwise be procurable.



6886

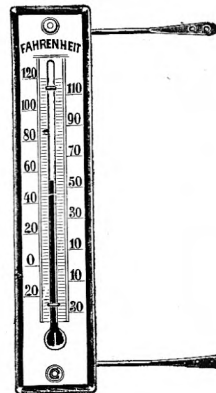
6886. THERMOMETERS—Pocket, with aluminium case 5 inches long; range 30 to 220° F. in 2/1° 2.25
 6888. Ditto—range 0–100° C. in 1/1° 2.25



6890



6892

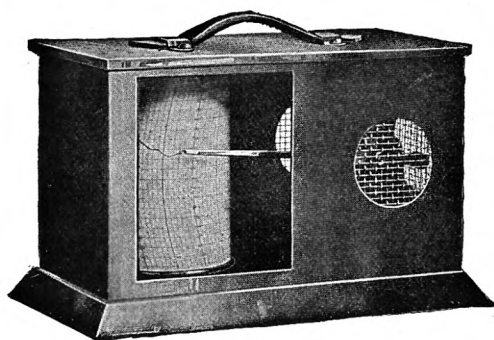


6894

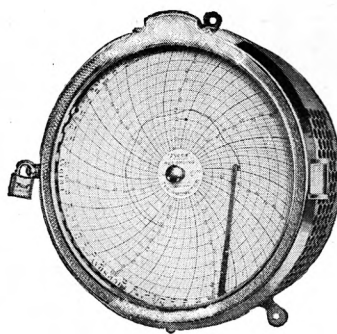


6896

6890. THERMOMETERS—Household, ordinary quality, on walnut finish wooden frame; scale range 10 to 40° below to 120° F. above.
 Length, inches..... 8 10
 Each..... .35 .45
 Dozen..... 3.25 4.50
6892. Ditto—Household, Standard quality, on oak frame, ebonized scale; very reliable; scale approximately 10 to 40° below to 120° F. above.
 Length, inches..... 8 10
 Each..... 1.25 1.75
6894. Ditto—Window, plate glass frame, white enamel face, black figures; with metal arms for attaching to outside of window. Scale range 10 to 40° below zero to 120° F. above.
 Length, inches..... 8 10
 Each..... 1.50 2.00
6896. Ditto—Wood frame, scale reading to 120° F., length 12 inches..... each .50
 6898. Ditto—scale reading to 220° F., length 17 inches each 1.00
 6900. Ditto—Clinical..... each .75



6902

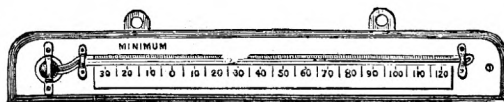


6904

6902. **THERMOMETER**—Recording "Thermograph," fitted in copper hinged case with padlock, 8 day cylinder clock, chart -62° to $+128^{\circ}$ F. with lever lamina inside; complete with Kew certified thermometer, and blank charts for filling in to meet the requirements of the user..... net **40.00**
 The instrument can be furnished for higher temperatures.
6904. **Ditto**—Recording, self contained, quick acting, range -4° to $+120^{\circ}$ F. in 2/1. The case is one piece of brass, finished in handsome weather resisting black, with bronze front. . . net **35.00**

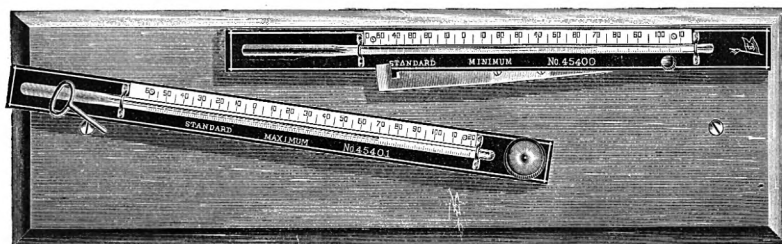


6910



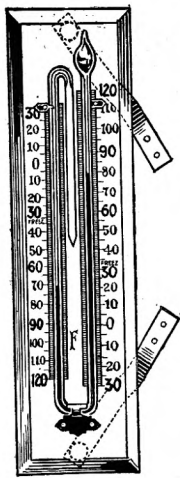
6912

6906. **THERMOMETER**—Maximum, self registering, scale engraved on stem, white enameled back; graduated 100° C. in 1/1, length 30 cm., diameter 6 mm. each **2.00**
6908. **Ditto**—graduated to 220° F. in 1/1, length 30 cm. each **1.75**
6910. **Ditto**—Maximum, self registering, on polished wooden frame; graduated to about 140° F., length 27 cm. **2.00**
6912. **Ditto**—Minimum, self registering. **2.00**



6914

6914. **THERMOMETER**—Maximum and Minimum, Weather Bureau type, with certificates; engraved stem 12 in. long, porcelain strip at side, on which are marked the figures and each fifth degree line of the scale; oxidized brass plate, insulating brass support with binding screws; on mahogany finish board 17 x 5 inches. **12.00**
6916. **Ditto**—The Maximum thermometer only, with insulating support; without board. **6.00**
6918. **Ditto**—The Minimum thermometer only, with insulating support; without board. **6.00**



6920



6922

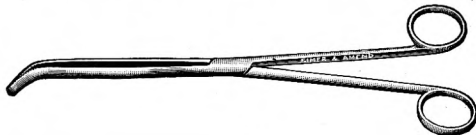
- 6920. THERMOMETERS—Maximum and Minimum, Six's, self registering, plate glass, white enamelled face; with metal arms for attaching to window; length 10 inches..... 4.00
- 6922. Ditto—Maximum and Minimum, Six's, self registering, best English make; box-wood scale in black or white japanned tin frame, with magnet. Scale range 10° to 49° below zero to 120° F. above; length 8 inches 3.00
- 6924. Ditto—length 10 inches 3.50

TINTOMETERS—See Color, page 123.

6926. TILES—Pill, porcelain, graduated.

Size, inches.....	5x5	6x6	8x8	10x10	12x12
Each.....	.40	.45	.60	1.00	1.50

Ditto—Furnace, see page 186.



6930
6936-40



6928
6932
6938-48

6928. TONGS—Crucible, steel, gun metal finish, double bent; 9 inches long.....	each	.35
	dozen	4.00
6930. Ditto—Crucible, steel, nickel plated, superior quality; single bent.		
Length, inches.....	9	12
Each.....	.75	1.20
Dozen.....	8.50	14.00
6932. Ditto—double bent.		
Length, inches.....	9	12
Each.....	.85	1.30
Dozen.....	9.75	15.00
6934. Ditto—Crucible, steel, nickel plated, 20 inches long; for handling crucibles, etc. in muffle	each	2.00
6936. Ditto—Crucible, polished brass, single bent; 8 inches long.....	each	.65
	dozen	7.40
6938. Ditto—double bent.....	each	.70
	dozen	8.00
6940. Ditto—Crucible, heavy iron, japanned, single bent; 10 inches long.....	each	.45
	dozen	5.20
6942. Ditto—double bent.....	each	.50
	dozen	5.70
6944. Ditto—Crucible, pure wrought nickel, double bent; 8 inches long.....	each	3.25
6946. Ditto—with heavy platinum shoes.....	each, net	14.00
6948. Ditto—Crucible, German silver, double bent; 8 inches long.....		1.50