



GENERAL  ELECTRIC
X-RAY CORPORATION
175 W. JACKSON BLVD. CHICAGO 4, ILL., U. S. A.

X-RAY SUPPLIES AND ACCESSORIES

1947-1948

GENERAL  ELECTRIC X-RAY CORPORATION

22

X-RAY SUPPLIES AND ACCESSORIES

1947-1948

**GENERAL  ELECTRIC
X-RAY CORPORATION**

175 W. JACKSON BLVD.

CHICAGO 4, ILL., U. S. A.

Foreword

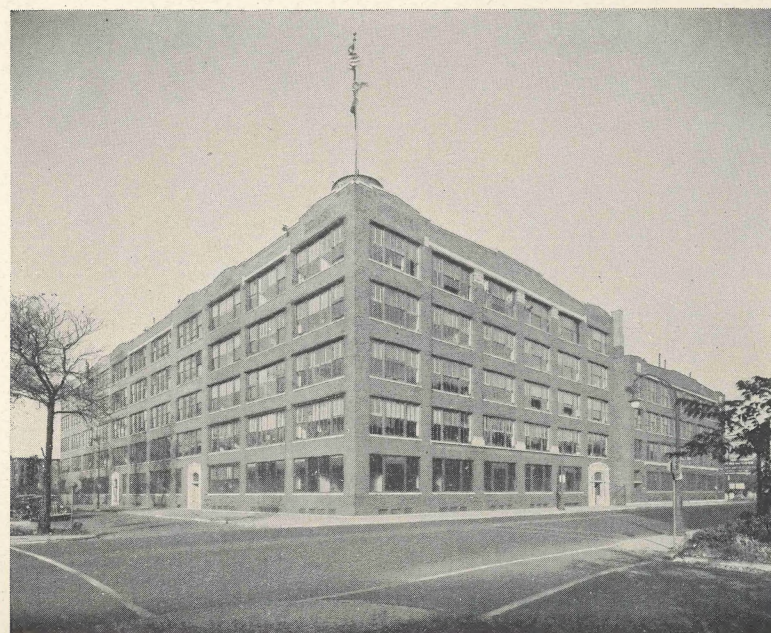
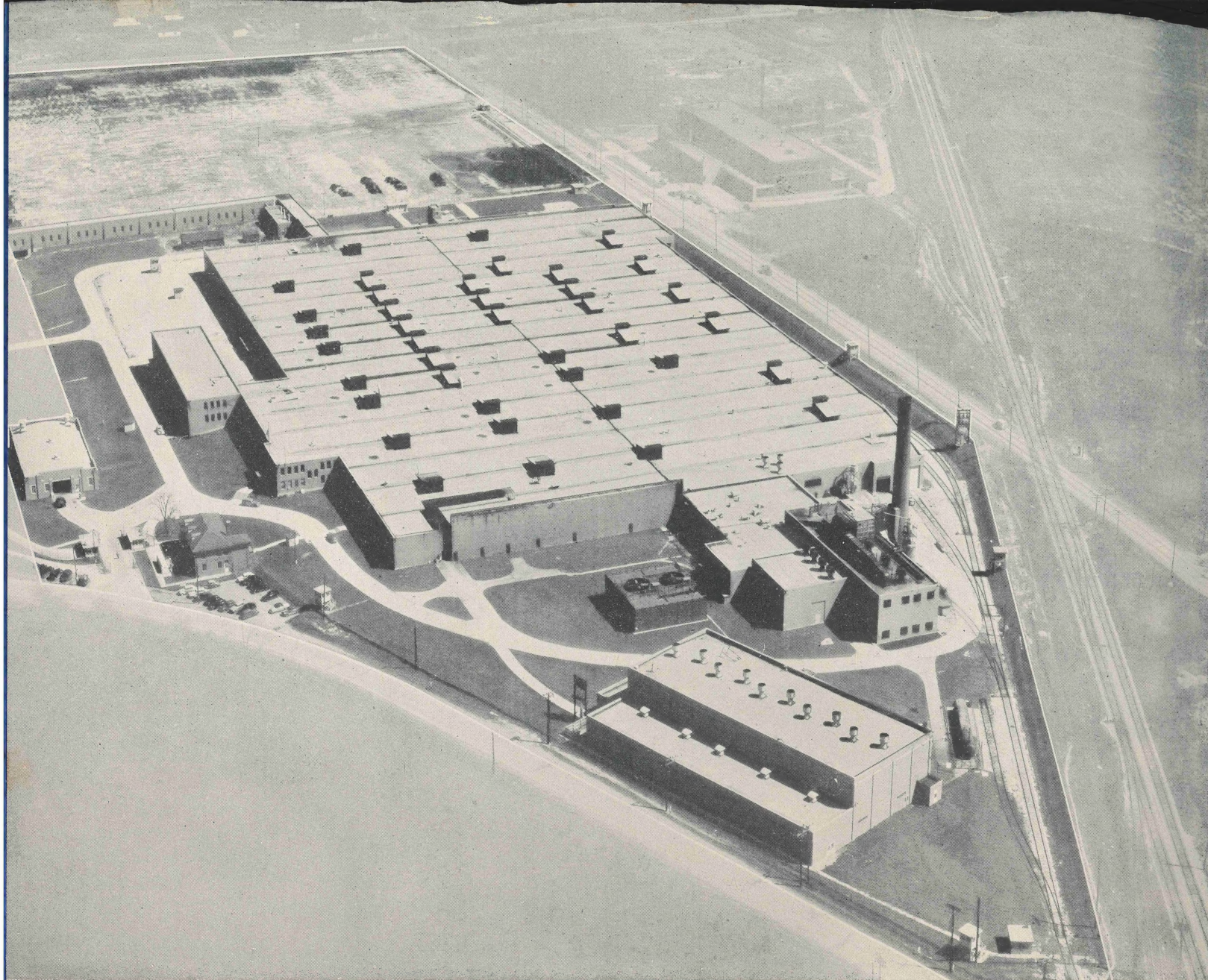
HERE'S YOUR copy of the Second Edition of "X-Ray Supplies and Accessories!" Throw away the old one. We hope it's well-worn and that it helped you find many articles that made your x-ray work easier and better.

This catalog has much that's new. Look it over thoroughly! Order what you need now; keep it handy against the day when you'll need other things.

As to present prices—we hope you'll pardon a little personal history! For years we have deliberated on whether to include prices in the catalog or send frequent price lists to be used with it. Year after year—from 1932 to 1945—prices remained practically stationary. So we decided to print prices in the catalog. You know what happened—the general rise in cost of both material and labor and an unavoidable consequent rise in our prices.

But—we have decided not to be sidetracked. We are *still* going to include prices. We have no apology to make for those quoted here. They are as low as possible considering manufacturing and merchandising costs. As a whole, you will not find equal value for less price elsewhere. We hope future increases will be few. While all prices are, as always, subject to change without notice, we will be glad to confirm any price at any time. Prices will be increased by the amount of such sales (or use) tax as may be applicable. Information regarding F. O. B. points, etc., can be obtained from your local G-E X-Ray representative.

It is our sincere desire to stock this department so that there will be nothing any x-ray user will need that he cannot order through this catalog. Should you fail to find here some article you wish, please write us. It is only through knowing *all* the needs of *all* our customers that we can be prepared to provide for them. Our 54 General Electric X-Ray Branch Offices and Warehouses dotted all over the United States and Canada are there for that specific purpose—to supply you quickly with everything you need to do the best possible x-ray job. Order from them!

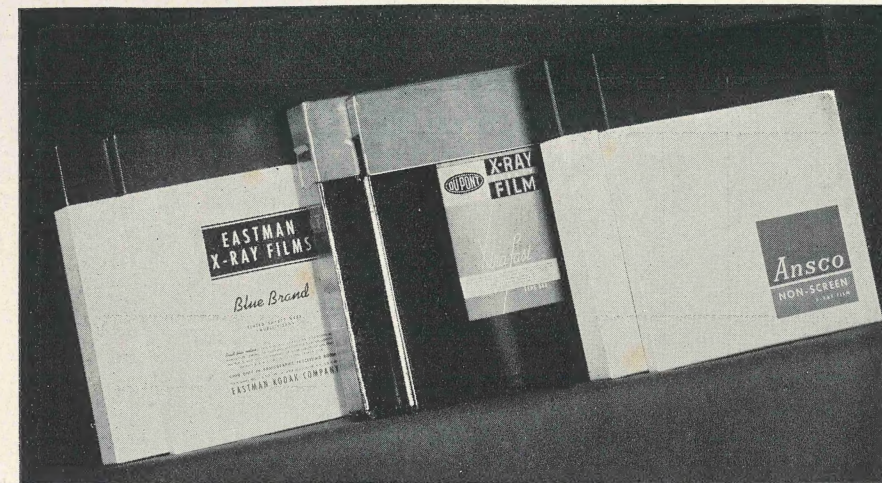


Our Chicago plant (left) running at full capacity, could not handle our expanding production. So we bought a new 43-acre plant (above) at Milwaukee. It is already in operation and will gradually take over an increasing share of the manufacturing load. For the present our Chicago plant will continue to run at full capacity. That's how serious we are about the business of meeting the demands of the medical profession!

ALPHABETICAL INDEX

	Page		Page		Page
Adapter back for Fairchild Camera	68	Electric wall clock	30	Impormo mixing paddles	30
Adaptosize film bin	35	Enema outfits—barium	12	Impermo processing tanks	17-22
Adjustable head clamp	62	Enema tube	12	Index guides for film-filing cabinets	39
Adjustable headrest	61	Everpure water purifiers	26-27	Index guides—tabbed, for P-R films	70
Addresses of General Electric X-Ray Corporation Branch Offices	72	Exposure holders for P-R films	14	Inserts—tank	22
Air filter for film dryers	34	Eye localizer chart	63	Insulated tanks	19-21
Air insufflator—colon	12	Eye shields—x-ray protective	56	Integron III	51-52
Alphabetical index guides for film files	39			Intensifying Screens	14
Angligner for aligning angles in skull radiography	59	Field blockers—therapy	57	Intercommunication device—see Fexifone	60
Anatomic chart to uses of opaques	11	Film and letter mailers—combination	39	Interval timers	30
Apron and glove rack	55	Film bin—Adaptosize	35	Intra-cavity therapy cone—visual	44-45
Apron—processing room	31	Film blockers—half	56	Intra-oral specula	44
Apron—x-ray protective	54	Film chest—lead-lined	58	Intra-vaginal specula	44
Apron—x-ray protective for Model 33 Table	56	Film clips for illuminators	49	Iodochlorol	10
Automatic film-processing equipment	28-29	Film corner cutters	35-36	Iometer	50
Automatic numbering stamp	71	Film developing hangers	31-32		
		Film dryers	33-34	Kilovolt indicating x-ray caliper	59
Bari-O-Meal	9	Film drying rack	32		
Barium enema outfits	12	Film filing cabinets	38	Lead foil—for Cummins perforator	16
Barium mixer—motor-driven	12	Film filing cabinet index guides	70	Lead foil—x-ray protective	55
Barium Sulfate	9	Film filing cabinet tabbed guides for P-R films	70	Lead glass	56-57
Bases—tank	22	Film hanger storage rack	32	Lead glass bowls for x-ray tubes	57
Bite blocks	61	Film holders for P-R films	68	Lead glass in frames for fluoroscopic screens	65
Bladders—compression	46	Film marking devices	15-16	Lead glass shields for x-ray tubes	57
Blockers—half film	56	Film marking devices for P-R films	70	Lead leather gloves	54
Blockers—x-ray protective therapy field	57	Film processing equipment, automatic	28-29	Lead letters and figures	16
Books	63	Film processing room accessories	30-37	Lead lined film chest	58
Bowls—lead glass for x-ray tubes	57	Films—dental	6	Lead rubber apron	54
Branch Offices of General Electric X-Ray Corporation	72	Films—medical	5	Lead rubber gloves	54
Brush—tank cleaning	31	Film storage rack	32	Lead rubber sheeting	55
Cabinets—film filing	38	Filter—air, for film dryers	34	Letter and film mailers—combination	39
Calipers—x-ray	59	Filters—x-ray	46	Light-proof shades for darkrooms	37
Calipers—kilovolt indicating	59	Fixers—liquid and powder	7-8	Lights—processing room	36
Capes—paper	71	Flexifone	60		
Cassette pass box	35	Floating thermometer	26	Marking devices—film	15-16
Cassettes	13-14	Floor screens—x-ray protective	57	Marking devices—P-R films	70
Cassette tunnels	40	Floor screens—x-ray protective, for P-R work	69	Mask—XRP	54
Cathode terminals	62	Fluoroline illuminators	47-49	“Mass Radiography of the Chest”	63
Ceiling light for fluoroscopic and darkroom	36	Fluoroline illuminator for P-R work	67	Master tanks	18-21
Chart—anatomic, to uses of opaques	11	Fluoroscopes—hand	64	Measuring devices—x-radiation	50-53
Chart for Sweet's eye localizer	63	Fluoroscopes—head	64	“Medical Radiographic Technic”	63
Cholepulis	10	Fluoroscopic chair	65	Metal box for lead letters	16
Cholestim	11	Fluoroscopic dark adapter goggles	65	Minometer	52
Clamp—head, adjustable	62	Fluoroscopic room ceiling light	36	Mixing paddles—Impermo	30
Clips—film, for illuminators	49	Fluoroscopic screen frames	65	Mixing valves—thermostatic	24-25
Clocks—wall, electric	30	Fluoroscopic screens	64	Monogoggles for fluoroscopic dark-adaptation	65
Colon air insufflator	12	Foil—lead	16		
Combination film and letter mailers	39	Foil—x-ray protective	55	Negative preservers	39
Compression bladders	46	Frames with lead glass	65	Negative preservers—for P-R films	71
Compression set—sandbag	46			Neo Bari-O-Meal	9
Cones—radiographic	42	General Electric X-Ray Corporation Branch Offices	72		
Cones—therapy	43-45	Glass—lead	56-57	Offices—Branch, of General Electric X-Ray Corporation	72
Convex compression cones—offset	46	Glass—reading	61	Offset convex compression cones	46
Coolers—water, refrigerated	23	Glove and apron rack	55	Oil—protective	67
Cord reels	62	Gloves—lead leather	54	Opaques—diagnostic	9-10-11
Corner cutters for films	35-36	Gloves—lead, leather-covered	54	Operating fluoroscope	64
Covers—solution tank	22	Goggles for fluoroscopic dark-adaptation	65	Orthostereoscopes for P-R films	67
Curved cassette	14	Goggle-type eye shields for therapy patients	56		
Cushioned adjustable headrest	61-62	Granger Mask and Angle Changer	61	Pake X-Ray Filmachine	28-29
Cut film holder for P-R films	68	Grids—wafer, stationary	41	Palparium spoon	65
				Pantopaque	10
Dark-adaptor goggles for fluoroscopy	65	Half film blockers	58	Paper capes for x-ray	71
Deep therapy cones	43	Hand fluoroscopes	64	Pass box—cassette	35
Dental film dispenser	56	Hangers—dental developing	31	Pelvimetry apparatus	60
Dental x-ray films	6	Hangers—developing	32	Pencil—skin marking	65
Developers—liquid and powder	7-8	Head clamp—adjustable	62	Photo-roentgen supplies and accessories	66-71
Developing hangers	31-32	Head fluoroscope	64	Portable cassette tunnels	40
Developing hangers—multiple, for P-R films	68	Headrest—adjustable	61-62	Preservers for negatives	39
Developing tanks and accessories	17-29	Heaters—tank	24	Processing chemicals—liquid and powder	9-10
Developing unit for P-R films	66	Holders—exposure	14	Processing room accessories	30-37
Diagnostic opaques	9-10-11	Holders for P-R films	67	Processing room apron	31
Dial thermometers	25-26			Processing room thermometers	35-36
Dispenser—dental film	56	Identification devices for films	15-16	Processing tanks and accessories	17-22
Dryers—film	33-34	Identification devices for P-R films	70	Protective screens	57 and 69
Drying rack—film	32	Illuminator and safelight—combination	36	Protective materials—x-ray	54-57
Drying unit for P-R films	66	Illuminator film clips	49	Protective oil	62
		Illuminator—incandescent	49	Proteximeter	52
Electric barium mixer	12	Illuminator—fluoroline	47 and 67	Rack for XRP apron and gloves	55
Electric mixer for processing solutions	32	Immobilizers	46	Radiation measuring devices	50-53

	Page		Page		Page
Radiation meter	53	Refresher for processing solutions—liquid and powder	7-8	Refrigeration equipment—tank	23
Radiographic cones	42	Reflex sinus-mastoid unit	61	r-Meter	50
Radiograph illuminators	47-49	Refrigeration equipment—tank	23	Rubber filler strips for tanks	22
“Radiography of the Skull and Facial Bones”—see Angligner		Refrigeration equipment—tank	23	Rubylite wall finish	31 and 65
		Refrigeration equipment—tank	23	Ruler—transparent	60
Ratchet mechanism	46	Refrigeration equipment—tank	23		
Reading glass	61	Refrigeration equipment—tank	23	Safelight lamps	36
Reels—cord	62	Refrigeration equipment—tank	23	Sandbag compression sets	46
Refresher for processing solutions—liquid and powder	7-8	Refrigeration equipment—tank	23	Sanitary paper roll for cassette changers	61
Reflex sinus-mastoid unit	61	Refrigeration equipment—tank	23	Sanitary paper roll for P-R unit	71
Refrigeration equipment—tank	23	Refrigeration equipment—tank	23	Screen frames—fluoroscopic	65
r-Meter	50	Refrigeration equipment—tank	23	Screens—fluoroscopic	65
Rubber filler strips for tanks	22	Refrigeration equipment—tank	23	Screens—intensifying	14
Rubylite wall finish	31 and 65	Refrigeration equipment—tank	23	Screens—x-ray protective	57 and 69
Ruler—transparent	60	Refrigeration equipment—tank	23	Sectional film filing cabinets	38
		Refrigeration equipment—tank	23	Shades—light-proof, for darkrooms	37
Safelight lamps	36	Refrigeration equipment—tank	23	Sheeting—lead rubber	55
Sandbag compression sets	46	Refrigeration equipment—tank	23	Shields—lead glass, for x-ray tubes	57
Sanitary paper roll for cassette changers	61	Refrigeration equipment—tank	23	Shortstop—Supermix	7-8
Sanitary paper roll for P-R unit	71	Refrigeration equipment—tank	23	Single frame viewer—70 mm	67
Screen frames—fluoroscopic	65	Refrigeration equipment—tank	23	Sinus-mastoid unit	61
Screens—fluoroscopic	65	Refrigeration equipment—tank	23	Skin marking pencil	65
Screens—intensifying	14	Refrigeration equipment—tank	23	Sleeve protectors—processing room	31
Screens—x-ray protective	57 and 69	Refrigeration equipment—tank	23	Smith-Fairchild processing unit for 70mm films	66
Sectional film filing cabinets	38	Refrigeration equipment—tank	23	Smith-Fairchild drying unit for 70mm films	66
Shades—light-proof, for darkrooms	37	Refrigeration equipment—tank	23	Snap-Up film clips for illuminators	49
Sheeting—lead rubber	55	Refrigeration equipment—tank	23	Solution tank covers	22
Shields—lead glass, for x-ray tubes	57	Refrigeration equipment—tank	23	Spectacles—combination x-ray protective and fluoroscopic	55
Shortstop—Supermix	7-8	Refrigeration equipment—tank	23	Spectacles—x-ray protective	55
Single frame viewer—70 mm	67	Refrigeration equipment—tank	23	Specula—intra-oral	44
Sinus-mastoid unit	61	Refrigeration equipment—tank	23	Specula—intra-vaginal	44
Skin marking pencil	65	Refrigeration equipment—tank	23	Splashproof tank	18
Sleeve protectors—processing room	31	Refrigeration equipment—tank	23	Spoon—Palparium	65
Smith-Fairchild processing unit for 70mm films	66	Refrigeration equipment—tank	23	Stationary wafer grids	41
Smith-Fairchild drying unit for 70mm films	66	Refrigeration equipment—tank	23	Stele-Weld cassettes	13
Snap-Up film clips for illuminators	49	Refrigeration equipment—tank	23	Stop-bath—Supermix Shortstop	7-8
Solution tank covers	22	Refrigeration equipment—tank	23	Storage rack for film hangers	32
Spectacles—combination x-ray protective and fluoroscopic	55	Refrigeration equipment—tank	23	Supermix liquid concentrates for film-processing	7-8
Spectacles—x-ray protective	55	Refrigeration equipment—tank	23	Sweet's eye localizer chart	63
Specula—intra-oral	44	Refrigeration equipment—tank	23		
Specula—intra-vaginal	44	Refrigeration equipment—tank	23	Tank cleaning brush	31
Splashproof tank	18	Refrigeration equipment—tank	23	Tank heaters	24
Spoon—Palparium	65	Refrigeration equipment—tank	23	Tanks—developing	17-22
Stationary wafer grids	41	Refrigeration equipment—tank	23	Tank supports	22
Stele-Weld cassettes	13	Refrigeration equipment—tank	23	Terminals—cathode	62
Stop-bath—Supermix Shortstop	7-8	Refrigeration equipment—tank	23	Therapy cones	43-45
Storage rack for film hangers	32	Refrigeration equipment—tank	23	Therapy field blockers	57
Supermix liquid concentrates for film-processing	7-8	Refrigeration equipment—tank	23	Thermometers—capillary	26
Sweet's eye localizer chart	63	Refrigeration equipment—tank	23	Thermometers—floating	26
		Refrigeration equipment—tank	23	Thermometers—dial	25-26
Tank cleaning brush	31	Refrigeration equipment—tank	23	Thermometers—mixing valves	24-25
Tank heaters	24	Refrigeration equipment—tank	23	Thoms pelvimetry apparatus	60
Tanks—developing	17-22	Refrigeration equipment—tank	23	Timers—interval	30
Tank supports	22	Refrigeration equipment—tank	23	Torpin-Thoms roentgen pelvimeter	60
Terminals—cathode	62	Refrigeration equipment—tank	23	Transparent ruler	60
Therapy cones	43-45	Refrigeration equipment—tank	23	Tunnels—cassette	40
Therapy field blockers	57	Refrigeration equipment—tank	23	Upright filers	39
Thermometers—capillary	26	Refrigeration equipment—tank	23	Vacuum breaker	25
Thermometers—floating	26	Refrigeration equipment—tank	23	Valves—thermostatic mixing	24-25
Thermometers—dial	25-26	Refrigeration equipment—tank	23	Ventilators—light-proof for processing rooms	32-33
Thermometers—mixing valves	24-25	Refrigeration equipment—tank	23	Vertical cassette tunnels	40
Thoms pelvimetry apparatus	60	Refrigeration equipment—tank	23	Vertical film dryers	33-34
Timers—interval	30	Refrigeration equipment—tank	23	Victoreen x-radiation measuring devices	50-53
Torpin-Thoms roentgen pelvimeter	60	Refrigeration equipment—tank	23	Viewers for P-R films	67
Transparent ruler	60	Refrigeration equipment—tank	23	Visual intra-cavity therapy cones	44-45
Tunnels—cassette	40	Refrigeration equipment—tank	23		
Upright filers	39	Refrigeration equipment—tank	23	Wall clock—electric	30
Vacuum breaker	25	Refrigeration equipment—tank	23	Wall finish—Rubylite	31
Valves—thermostatic mixing	24-25	Refrigeration equipment—tank	23	Water coolers—refrigerated	23
Ventilators—light-proof for processing rooms	32-33	Refrigeration equipment—tank	23	Water purifiers—Everpure	26-27
Vertical cassette tunnels	40	Refrigeration equipment—tank	23	Wetner—Supermix	8
Vertical film dryers	33-34	Refrigeration equipment—tank	23	XRP materials	54-57
Victoreen x-radiation measuring devices	50-53	Refrigeration equipment—tank	23		
Viewers for P-R films	67	Refrigeration equipment—tank	23		
Visual intra-cavity therapy cones	44-45	Refrigeration equipment—tank	23		
		Refrigeration equipment—tank	23		
Wall clock—electric	30	Refrigeration equipment—tank	23		
Wall finish—Rubylite	31	Refrigeration equipment—tank	23		
Water coolers—refrigerated	23	Refrigeration equipment—tank	23		
Water purifiers—Everpure	26-27	Refrigeration equipment—tank	23		
Wetner—Supermix	8	Refrigeration equipment—tank	23		
XRP materials	54-57	Refrigeration equipment—tank	23		



Fresh x-ray films produce superior radiographs, yet cost no more than those permitted to grow stale on dormant stock shelves. Our 54 strategically located branches account for the largest volume of x-ray film sales on this continent. This rapid turnover plus rigid stock control precludes the possibility of films aging in stock. For speediest shipment of any type or size of x-ray film in the three leading brands—Anso, DuPont, and Eastman—and to make sure your order is filled with film of the freshest possible emulsions, send it to your nearest G-E Branch Office.

NOTE—These new film prices are net F.O.B. Branch Office and are not subject to any quantity or cash discount.

MEDICAL X-RAY FILM — for use with intensifying screens.

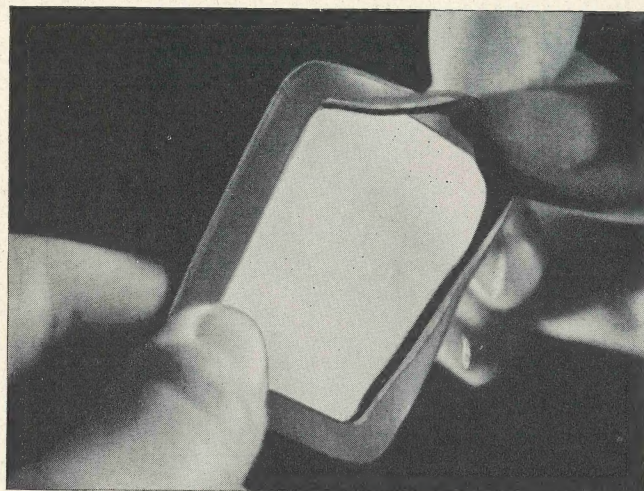
Anso High Speed X-Ray Film	
F0001B 5"x7", 1-dozen box	\$ 1.20
F0001C 5"x7", 1/2-gross box	7.00
F0001D 6 1/2"x8 1/2", 1-dozen box	1.85
F0001E 6 1/2"x8 1/2", 1/2-gross box	10.60
F0001S 7"x17", 1/2-gross box	23.30
F0001F 8"x10", 1-dozen box	2.65
F0001G 8"x10", 1/2-gross box	15.35
F0001H 10"x12", 1-dozen box	4.05
F0001J 10"x12", 1/2-gross box	23.50
F0001K 11"x14", 1-dozen box	5.20
F0001L 11"x14", 1/2-gross box	30.30
F0001M 14"x17", 1-dozen box	8.05
F0001P 14"x17", 1/2-gross box	46.80

DuPont X-Ray Film—Type 502	
F0005A 5"x7", 1-dozen box	\$ 1.20
F0005B 5"x7", 1/2-gross box	7.00
F0005C 6 1/2"x8 1/2", 1-dozen box	1.85
F0005D 6 1/2"x8 1/2", 1/2-gross box	10.60
F0005AL 7"x17", 1-dozen box	4.00
F0005AM 7"x17", 1/2-gross box	23.30
F0005E 8"x10", 1-dozen box	2.65
F0005F 8"x10", 1/2-gross box	15.35
F0005G 10"x12", 1-dozen box	4.05
F0005H 10"x12", 1/2-gross box	23.50
F0005J 11"x14", 1-dozen box	5.20
F0005K 11"x14", 1/2-gross box	30.30
F0005L 14"x17", 1-dozen box	8.05
F0005M 14"x17", 1/2-gross box	46.80

DuPont Xtra-Fast X-Ray Film—Type 508 (Approximately 25% faster than Type 502)	
F0017AC 5"x7", 1-dozen box	\$ 1.20
F0017AD 5"x7", 1/2-gross box	7.00
F0017AJ 6 1/2"x8 1/2", 1-dozen box	1.85
F0017AK 6 1/2"x8 1/2", 1/2-gross box	10.60
F0017AL 7"x17", 1-dozen box	4.00
F0017AM 7"x17", 1/2-gross box	23.30
F0017AP 8"x10", 1-dozen box	2.65
F0017AQ 8"x10", 1/2-gross box	15.35
F0017AR 10"x12", 1-dozen box	4.05
F0017AS 10"x12", 1/2-gross box	23.50
F0017AT 11"x14", 1-dozen box	5.20
F0017AU 11"x14", 1/2-gross box	30.30
F0017AW 14"x17", 1-dozen box	8.05
F0017AX 14"x17", 1/2-gross box	46.80

Eastman Blue Brand—Ultra Speed X-Ray Film	
F0012C 5"x7", 1-dozen box	\$ 1.20
F0012D 5"x7", 1/2-gross box	7.00
F0012E 6 1/2"x8 1/2", 1-dozen box	1.85
F0012F 6 1/2"x8 1/2", 1/2-gross box	10.60
F0012R 7"x17", 1-dozen box	4.00
F0012S 7"x17", 1/2-gross box	23.30
F0012G 8"x10", 1-dozen box	2.65
F0012H 8"x10", 1/2-gross box	15.35
F0012J 10"x12", 1-dozen box	4.05
F0012K 10"x12", 1/2-gross box	23.50
F0012L 11"x14", 1-dozen box	5.20
F0012M 11"x14", 1/2-gross box	30.30
F0012P 14"x17", 1-dozen box	8

BOLIN DENTAL X-RAY FILMS



The soft, pliable, tasteless rubber jacket encasing Bolin Dental Films assures maximum patient comfort under all conditions. Sufficiently rigid to assure undistorted radiographs, their pliability permits adaptation of corners and edges to any oral contour. Constant tension along all edges of the rubber jacket prevent saliva from reaching the x-ray film. Bolin films are easy to handle in the darkroom, extracting film from the flexible jacket requires only a moment. Available in single or twin-film packets, they employ the amazingly fast Lightning emulsion and offer a wide selection in exposure latitude. Radiographs of fine diagnostic quality are always realized when this outstanding film is used.

Cat. No.

F3001C	Bolin Lightning, twin-film packet, 1/2 gross	\$4.50
F3001D	Bolin Lightning, single-film packet, 1/2 gross	4.20
F3001E	Bolin Special sizes Lightning twin-film packet (3/4"x1 5/8") box of 1/2 gross	4.25
F3004A	Bolin Occlusal (2 1/4"x3"), twin-film packet—box of 1 dozen	2.50
F3004B	Bolin Occlusal (2 1/4"x3"), single-film packet—box of 1 dozen	2.00

OTHER DENTAL X-RAY FILMS

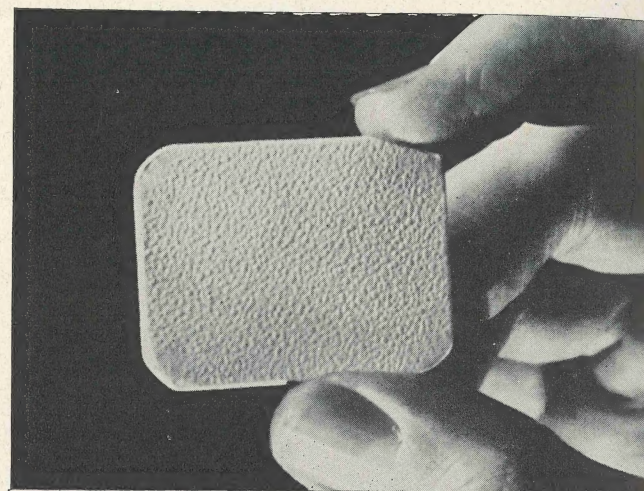
Since our desire and aim is to promptly satisfy all requests for dental film, complete stocks of the following standard brands are maintained in all G-E branches to assure speedy delivery at all times.

Cat. No.

F3014A	DuPont Type D-2, Double-Coated, 2 Film Each—packet of 1 gross	\$4.50
F3014B	DuPont Type D-1, Double-Coated, 1 Film Each—packet of 1 gross	3.75
F3014C	DuPont Type S-2, Single-Coated, 2 Film Each—packet of 1 gross	4.00
F3014D	DuPont Type S-1, Single-Coated, 1 Film Each—packet of 1 gross	3.25
F3015A	Eastman DF-61 Rapid-Processing, 2 Film Each, dispenser pkg.—box of 1 gross	4.50
F3015B	Eastman DF-65 Rapid Processing, 1 Film Each, dispenser pkg.—box of 1 gross	3.75

Prices subject to change without notice.

G-E DENTAL X-RAY FILMS



G-E Dental Films are actually the old time-tested Bolin Lightning and Universal emulsions in lower priced packets. Instead of the costlier Bolin rubber jacket—which is more comfortable for the patient and more convenient for the technician—G-E Films are encased in an easily-opened, saliva-resistant paper packet that permits unusually high quality at a low price. Available in two speeds—Universal, for average focal-film distance, and Lightning, for longer-than-average. Packaged in 1-gross cartons for use with standard film dispensers, G-E Dental Films give uniformity of speed, contrast, and fine definition. Their use assures results of maximum diagnostic accuracy with established dental technics.

Cat. No.

F3012A	G-E Lightning, twin-film packet—box of 1 gross	\$5.50
F3012B	G-E Lightning, single-film packet—box of 1 gross	4.25
F3013A	G-E Universal, twin-film packet—box of 1 gross	5.00
F3013B	G-E Universal, single-film packet—box of 1 gross	3.75

F3005A	Eastman DF-1 Radia-tized, 2 Film Each, dispenser pkg.—box of 1 gross	4.50
F3005B	Eastman DF-7 Radia-tized, 1 Film Each, dispenser pkg.—box of 1 gross	3.75
F3016A	Eastman DF-57 Ultra-Speed, 2 Film Each, dispenser pkg.—box of 1 gross	4.50
F3016B	Eastman DF-58 Ultra-Speed, 1 Film Each, dispenser pkg.—box of 1 gross	3.75
F3017A	Eastman DF-13 Regular, 2 Film Each, dispenser pkg.—box of 1 gross	4.00
F3017B	Eastman DF-19 Regular, 1 Film Each, dispenser pkg.—box of 1 gross	3.25
F3018A	Eastman DF-39 Bite-Wing, Type 1, small (15/16"x1-9/16") pkg. of 1 dozen packets	.60
F3018B	Eastman DF-41 Bite-Wing, Type 2, intermediate (1 5/8"x1 1/4")—pkg. of 1 dozen packets	.65
F3018C	Eastman DF-43 Bite-Wing, Type 3, large (2 1/8"x1 1/4")—pkg. of 1 dozen packets	.75

FILM-PROCESSING CHEMICALS



G-E SUPERMIX DEVELOPER

Supermix Developer is a liquid concentrate which mixes quickly with water (in proportions of 1 to 3) directly into the processing tank. Where speed is essential it is a highly satisfactory 3-minute developer at 68° F. When 5-to 6-minutes developing time is used it produces maximum quality results, extends tube life appreciably, and increases the effectiveness of a low-power x-ray unit by widening its diagnostic range. Longevity of Supermix Developer materially reduces per-film processing costs and minimizes the frequency of solution replacements. Exceptionally fine radiographic quality is the rule when Supermix Developer is employed.

Cat. No.

E4022A	G-E Supermix Developer, to make 1 gal.	\$1.15
E4022B	G-E Supermix Developer, to make 3 gals.	2.75
E4022C	G-E Supermix Developer, to make 5 gals.	4.50

G-E SUPERMIX REFRESHER

Leveling and replacing with Supermix Refresher as chemical exhaustion of the Developer progresses obviates constant re-calculation of developing time—makes the developer last up to 4 times longer. Supermix Refresher brings economy and stability to film-processing you'll appreciate.

Cat. No.

E4026A	G-E Supermix Refresher, to make 1 gal.	\$1.15
E4026B	G-E Supermix Refresher, to make 5 gals.	5.25

Prices subject to change without notice.

G-E SUPERMIX FIXER

A stable, acid-hardening liquid concentrate, Supermix Fixer mixes readily with water (3 parts) directly into the tank. To insure stability and uniformity, fixer and hardener are supplied in separate bottles. When fresh, Supermix Fixer will clear most films in one minute or less—continues at this rate over a large amount of film. Solutions need not be changed so frequently when Supermix Fixer is used, since more film can be fixed per tankful. This feature means real time and money saving for you.

Cat. No.

E4023A	G-E Supermix Fixer, to make 1 gal.	\$1.15
E4023B	G-E Supermix Fixer, to make 3 gals.	2.70
E4023C	G-E Supermix Fixer, to make 5 gals.	4.25

G-E SUPERMIX INDICATING
SHORTSTOP AND FIXER ACIDIFIER

When used as an acid shortstop, one quart of this double-duty concentrate makes 10 gallons of top-quality stop bath. Prepared with all ingredients in balance, it is rapid-acting—prolongs the life of costlier fixing solutions. Decreasing acidity of the bath is signalled by variations in color—from straw yellow when bath is fresh, to lavender and to purple as exhaustion progresses. When loss of acidity is signalled, adding Supermix Indicating Shortstop to the bath eliminates the necessity of preparing a fresh mixture by restoring proper acidity.

FILM-PROCESSING CHEMICALS

As a fixer acidifier, this versatile Supermix product accurately signals diminishing fixer acidity by changes in color. Addition of the concentrate to the fixer bath materially lengthens its life—assures consistently high fixer performance until completely exhausted. Revitalizing ability that minimizes the frequency of fixer bath replacement makes this Supermix concentrate an invaluable aid to greater processing economy and efficiency.

Cat. No.
E4034A G-E Indicating Shortstop, per quart bottle (enough to make 10 gals., to stop bath).....\$1.25

G-E SUPERMIX WETNER

By adding just 2 cc. of Supermix Wetner to each gallon of developer and refresher a wetting agent is realized that assures more even development—better developer and film contact. Its use minimizes possibility of dichroic fog and assures greater developer clarity. For cleaner films and extended developer life depend upon Supermix Wetner.

For an effective final rinse add 4 cc. of Supermix Wetner to each gallon of ordinary tap water. The resulting bath permits uniform surface water drainage that cuts drying time approximately 40%—increasing dryer capacity and expediting film examinations. To prevent water spotted films and to assure a finer, more scratch-resistant finish there's nothing comparable to Supermix Wetner.

Cat. No.
E4033A G-E Wetner, per 4 oz. bottle.....\$1.00

Supermix Eliminates Storage Problems

Supermix concentrates are stable over a wide range of temperatures and can be stored in any climate. Even solidification at extremely low temperatures will not damage the solution. Warming it up to room temperature, with occasional shaking of the bottle, restores its pristine qualities.

POWDERED PHOTO-CHEMICALS

Countless x-ray operators—most critical of every phase of film-processing and insistent upon chemicals of a quality compatible with their standards of work—have long chosen powdered chemicals. Despite the definite trend toward liquid concentrates, there will probably be a continued, though limited, use of dry chemicals. Though we have discontinued G-E powdered chemicals, we shall continue to stock whatever dry chemicals continue to be manufactured by Ansco, DuPont and Eastman.

DEVELOPERS (Dry)

Cat. No.
E4008A DuPont Developer, to make 1 gal. (36 pkgs. per carton) per pkg.....\$.85
E4008B DuPont Developer, to make 5 gals. (6 pkgs. per carton) per pkg..... 3.50
E4002A Kodak X-Ray Developer, to make 1 gal. (36 pkgs. per carton) per pkg..... .85
E4003A Kodak X-Ray Developer, to make 5 gals. (6 pkgs. per carton) per pkg..... 3.50
E4014A Kodak Rapid X-Ray Developer, to make 1 gal. (24 pkgs. per carton) per pkg..... .85
E4014B Kodak Rapid X-Ray Developer, to make 5 gals. (6 pkgs. per carton) per pkg..... 3.50
E4014D Kodak Rapid X-Ray Developer, to make 25 gals. per drum.....15.50

Prices subject to change without notice.

REPLENISHERS (Dry)

E4008C DuPont Replenisher, to make 1 gal. (36 pkgs. per carton) per pkg.....\$ 1.00
E4008D DuPont Replenisher to make 5 gals. (6 pkgs. per carton) per pkg..... 4.00
E4017A Kodak X-Ray Replenisher to make 1 gal. (36 pkgs. per carton) per pkg..... 1.00
E4017B Kodak X-Ray Replenisher to make 5 gals. (6 pkgs. per carton) per pkg..... 4.00
E4014C Kodak Rapid Replenisher to make 1 gal. (24 pkgs. per carton) per pkg..... 1.00
E4014F Kodak Rapid Replenisher to make 5 gals. (6 pkgs. per carton) per pkg..... 4.00
E4014E Kodak Rapid Replenisher to make 25 gals. per drum.. 15.00

FIXERS (Dry)

E4032B Ansco Fixer to make 1 gal. (12 pkgs. per carton) per pkg.....\$.65
E4032D Ansco Fixer to make 5 gals. (4 pkgs. per carton) per pkg..... 2.75
E4009A DuPont Fixing Powder to make 1 gal. (12 pkgs. per carton) per pkg..... .65
E4009B DuPont Fixing Powder to make 5 gals. (4 pkgs. per carton) per pkg..... 2.75
E4005A Kodak X-Ray Fixer to make 1 gal. (12 pkgs. per carton) per pkg..... .65
E4005B Kodak X-Ray Fixer to make 5 gals. (4 pkgs. per carton) per pkg..... 2.75
E4005C Kodak X-Ray Fixer to make 25 gals. per drum..... 10.50

OTHER LIQUID CONCENTRATES

For the convenience of x-ray laboratories everywhere, complete stocks of the following standard brands of liquid film-processing chemicals are also maintained in G-E branches throughout the United States. Prompt deliveries are thus assured.

DEVELOPERS (Liquid)

E4029A Ansco Liquadol Developer to make 1 gal. (12 bottles per case) per bottle\$1.15
E4029B Ansco Liquadol Developer to make 5 gals. (4 bottles per case) per bottle..... 4.50
E4020A DuPont Concentrated Developer to make 1 gal. (12 bottles per case) per bottle 1.15
E4020B DuPont Concentrated Developer to make 5 gals..... 4.50
E4027A Kodak Liquid X-Ray Developer to make 1 gal. (12 bottles per carton) per bottle..... 1.15
E4027B Kodak Liquid Developer to make 5 gals..... 4.50

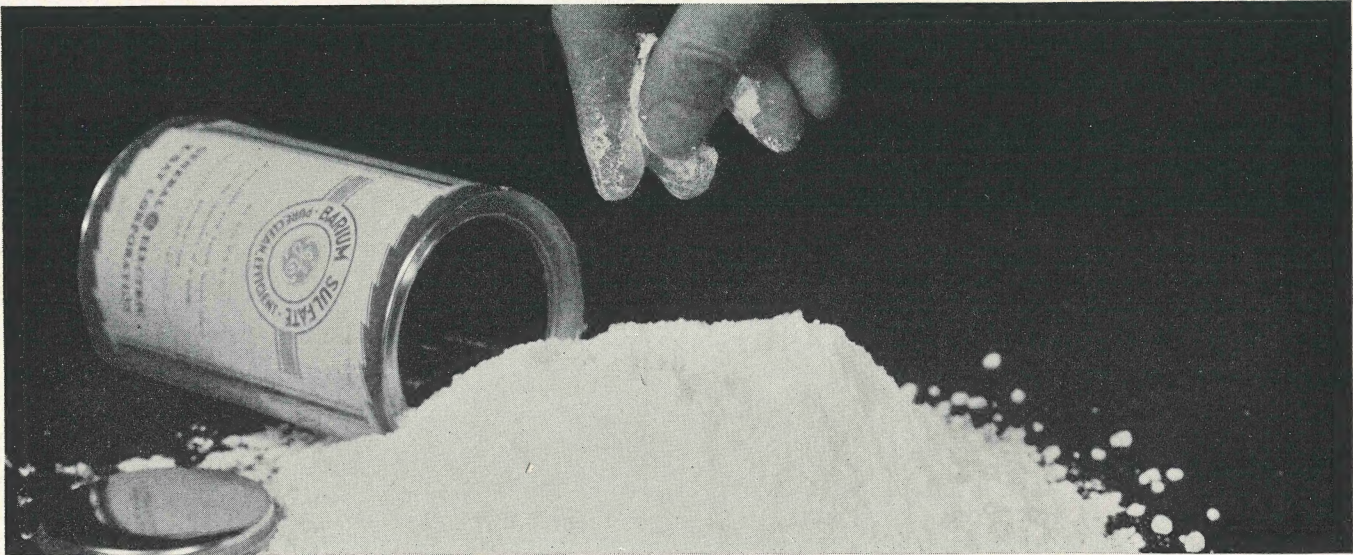
REPLENISHERS (Liquid)

E4029C Ansco Liquadol Replenisher to make 1 gal. (12 bottles per case) per bottle.....\$1.15
E4029D Ansco Liquadol Replenisher to make 5 gals (4 bottles to the case) per bottle..... 5.25
E4020C DuPont Concentrated Replenisher to make 1 gal. (12 bottles per carton) per bottle..... 1.15
E4020D DuPont Concentrated Replenisher to make 5 gals..... 5.25

FIXERS (Liquid)

E4030A Ansco Liquafix Fixer to make 1 gal. (12 bottles to the case) per bottle.....\$1.15
E4030B Ansco Liquafix Fixer to make 5 gals. (4 bottles per case) per bottle..... 4.25
E4021A DuPont Concentrated Hypo to make 1 gal. (6 bottles to the carton) per bottle..... 1.15
E4021B DuPont Concentrated Hypo to make 5 gals..... 4.25
E4028A Kodak Liquid Fixer to make 1 gal. (8 bottles per case) per bottle..... 1.15
E4028B Kodak Liquid Fixer to make 5 gals..... 4.25

DIAGNOSTIC OPAQUES



BARIUM PRODUCTS

Why G-E Barium Opaques Are Sold Largely in One-Pound Containers

Years ago G. E. found that in the average laboratory one-fourth of the total amount of barium purchased annually was thrown out; some because it had absorbed odors and was unpalatable, some because it had absorbed moisture and had become hard and chunky, and much because it had actually spoiled. Realizing our responsibility not only to manufacture a superior product but to enable our customers to keep it so, we tackled this problem and solved it by packaging barium in 1-pound airtight tin cans. We do this at very little extra cost. In fact, if you consider the elimination of waste, you'll find G-E barium products will cost you no more than the same amount of bulk barium of like quality. In some institutions the large number of gastro-intestinal examinations daily make it practical to use a larger container without risk of spoilage. For these instances, G-E Barium Sulfate is listed also in 10-pound cans, a 25-pound drum and 250-pound barrels. Bari-O-Meal is packed only in one-pound cans.

G-E Barium Sulfate is unrivaled for purity, cleanliness and efficiency. Precipitated from aqueous solutions, it is washed, vacuum-dried, and blown through fine silk. This eliminates all grittiness that might irritate sensitive stomach and intestinal linings, and assures uniform and adequate suspension in liquids. It fulfills requirements of U.S.P. XII and is rigidly tested for purity and texture by independent analytical chemists.

G-E Bari-O-Meal was developed to insure the utmost in diagnostic accuracy. It is a mixture of G-E Barium Sulfate and specially processed fresh cereals, suitably flavored. We believe Bari-O-Meal, Vanilla is the best barium compound to be had today at any price.

G-E Neo Bari-O-Meal is specially compounded for depiction of rugae and for radiography of the esophagus. It is agreeably flavored, easily tolerated, and adheres to the normal mucosa long enough to permit satisfactory observation of the stomach and intestinal walls.

Prices subject to change without notice.

BARI-O-MEAL FORMULAS

	Van.	Choc.	Neo.
Barium Sulfate, U.S.P. XII.....	71.00%	62.00%	49.21%
Protein (NX 6.25).....	2.65%	2.65%	4.25%
Reducing Sugars (as maltose).....	0.30%	0.30%	0.39%
Other soluble carbohydrates—dextrin....	1.20%	1.20%	1.43%
Insoluble carbohydrates—starch.....	17.90%	17.90%	31.62%
Ash (Other than BaSO4).....	0.55%	0.55%	1.28%
Lipids (total ether extract).....	0.65%	0.65%	
Sucrose	4.50%	4.50%	
Fat-free Chocolate		9.00%	
Sodium Benzoate.....			0.01%
Fats			1.73%
Cane sugar by inversion and reduction....			7.08%
Moisture	1.25%	1.25%	3.00%

BARIUM SULFATE

	1 1-lb. can...\$.30
	5 1-lb. cans.. 1.45
E4501A Barium Sulfate (1-Pound Cans).....	10 1-lb. cans.. 2.80
	25 1-lb. cans.. 6.75
	50 1-lb. cans.. 13.00
E4501D Barium Sulfate (Crate)	100 1-lb. cans....\$25.00
E4501E Barium Sulfate (25-Pound Drum).....	1 25-lb. Drum \$6.00
E4501B Barium Sulfate (250-Pound Barrels) 1	250-lb. barrel \$35.00

BARI-O-MEAL—All 3 Types Same Price

	1 1-lb. can \$.40
E4502C Bari-O-Meal, Vanilla.....	5 1-lb. cans 1.85
E4519A Bari-O-Meal, Chocolated.....	10 1-lb. cans 3.55
E4503A Neo Bari-O-Meal.....	25 1-lb. cans 8.65
	50 1-lb. cans 16.75
E4502D Bari-O-Meal, Vanilla (Crate).....	
E4519B Bari-O-Meal, Chocolated (Crate)....	100 1-lb. cans \$32.50
E4503B Neo Bari-O-Meal (Crate).....	

CHOLEPULVIS



Cholepulvis is a palatable, easily administered dye which provides reliable results in x-ray visualization of the gallbladder. Administered orally and easily tolerated by the average patient, Cholepulvis has been used in increasing volume for many years. Choose the type prepared for the technic you prefer.

CHOLEPULVIS REGULAR—Single Dose contains 3.6 grams sodium salt of tetraiodophenolphthalein. Total weight of bottle's contents is 9.5 grams.

Cat. No.		
E4504A	Single dose	\$.45
E4504AA	12 single doses	4.80
E4504AB	Clini-package of 25 single doses	8.65
E4504AC	Hospital package of 100 single doses	31.00

CHOLEPULVIS HEAVY—Single Dose containing 5 grams sodium salt of tetraiodophenolphthalein, is prepared for those who prefer a single massive dose to a divided dose. Total weight of bottle's contents 9.6 grams.

E4504C	Single dose	\$.55
E4504CA	12 single doses	5.55
E4504CB	Clini-package of 25 single doses	10.85
E4504CC	Hospital package of 100 single doses	42.00

CHOLEPULVIS—Twin Dose for so-called intensified technic in cholecystography. Twin-dose box holds two bottles, each containing 2.8 grams sodium salt of tetraiodophenolphthalein. Combined weight of the two bottles' contents 15.8 grams.

E4504B	One twin dose	\$.55
E4504BA	Package of 12 twin doses	5.55
E4504BB	Clini-package of 25 twin doses	10.85
E4504BC	Hospital package of 50 twin doses	21.00

You save money when you buy Cholepulvis in package lots.

PANTOPAQUE

Pantopaque, designed expressly for myelography, can be used to examine any part of the spinal canal. An absorbable, oil-type opaque, it simplifies pro-



cedures. Only 15 to 20 minutes are required for the examination. Low viscosity, low toxicity, and ease of aspiration make these features possible. Multiple aspirations or complicated drainage processes are unnecessary when Pantopaque is employed. Highest diagnostic accuracy is assured by the excellent radiographic contrast it provides.

Cat. No.		
E4521A	Pantopaque, box of three 3-cc. ampoules	\$4.50

IODOCHLOROL



Clinically efficacious, dependably stable, and non-irritating, Iodochlorol is an American made product, available for routine use for investigation of a variety of pathologic disorders in-

volving the sinuses, bronchial tree, uterus and fallopian tubes, fistulae and soft tissue sinuses, urinary bladder and spinal canal.

Composed of 27 percent iodine and 7.5 percent chlorine, organically combined with a highly refined peanut oil, Iodochlorol is routinely tested by incubation at 140° F. for 10 days without disturbing the chemical combination. If only a portion of a vial is used, remainder may be capped and stored for future use. Iodochlorol may be autoclaved at 15 pounds pressure and 250° F. for 15 minutes.

Cat. No.		
E4515A	Iodochlorol, 20-cc. bottle	\$1.27

Prices subject to change without notice.

OTHER OPAQUES

The following additional brands of diagnostic opaques are also carried in stock by G-E branch offices in all sections of the United States and Canada.

DIODRAST (in solution) for intravenous (excretory) urography.

20-cc. Ampoules		
E4512A	Box of 1—20-cc. ampoule	\$ 1.75
E4512AA	Box of 10—20-cc. ampoules	15.38
E4512AB	Box of 25—20-cc. ampoules	36.75
30-cc. Ampoules		
E4512C	Box of 1—30-cc. ampoule	\$ 2.25
E4512CA	Box of 10—30-cc. ampoules	19.75
E4512CB	Box of 25—30-cc. ampoules	47.25

HIPPURAN for excretion urography, intravenously and orally, and for retrograde pyelography and cystography.

E4513A	Hippuran (in solution) 25-cc. ampoule	\$ 1.60
E4513B	Hippuran (powder), 12-gram bottle	1.32
E4513C	Hippuran (powder), 100-gram bottle	7.60

IODEIKON (tetiothalein)—for oral or intravenous cholecystography.

E4509B	25-gram bottle	\$ 2.50
E4509C	Box of 5—3½-gram ampoules	4.00

(For 100 gram bottle, see Tetiothalein Sodium)

ISO-IODEIKON (sodium salt of phenoltetraiodophthalein)—for simultaneous diagnosis of the gall-bladder and liver function—orally or intravenously.

E4516A	Box of 5—2½-gram ampoules	\$10.00
--------	---------------------------	---------

LIPIODOL — for x-ray visualization of body cavities and tissue spaces.

E4518A	Box of 2—10-cc. vials	\$1.60
E4518B	Box of 4—5-cc. ampoules	1.84

NEO-IOPAX — for visualization of the kidneys and urinary tract by intravenous injection.

50% Solution—30-cc. Single Dose		
E4511B	Box of 1—30-cc. ampoule	\$ 3.00
E4511BA	Box of 5—30-cc. ampoules	13.20
E4511BB	Box of 20—30-cc. ampoules	50.40
50% Solution—20-cc. Single Dose		
E4511E	Box 1—20-cc. ampoule	\$ 2.00
E4511EA	Box of 5—20-cc. ampoules	8.80
E4511EB	Box of 20—20-cc. ampoules	33.60
75% Solution—10-cc. Single Dose		
E4511F	Box of 5—10-cc. ampoules	\$7.00
75% Solution—20-cc. Single Dose		
E4511A	Box of 1—20-cc. ampoule	\$ 3.00
E4511AA	Box of 5—20-cc. ampoules	13.20
E4511AB	Box of 20—20-cc. ampoules	50.40

PRIODAX TABLETS — for oral cholecystography.

Envelopes of six 0.5 gram Tablets		
E4522A	1 Envelope	\$.60
E4522B	Box of 5 Envelopes	2.85
E4522C	Box of 25 Envelopes	13.55
E4522D	Box of 100 Envelopes	52.50

(In lots of 5 or more) Box of 100 Envelopes..... 50.90

TETIOTHALEIN SODIUM, U.S.P. XI —for oral or intravenous cholecystography.

E4509A	100-gram bottle	\$5.12
--------	-----------------	--------

TETRADOL EMULSION — for oral cholecystography.

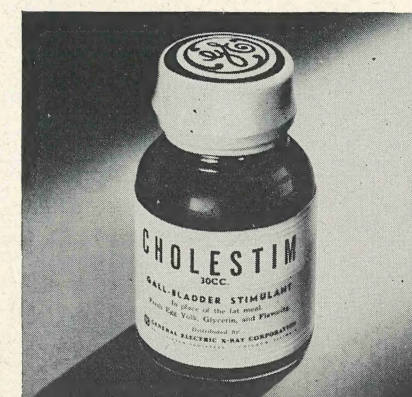
E4507A	Single dose bottle	\$.75
E4507B	Dozen single dose bottles	8.00

CHOLESTIM

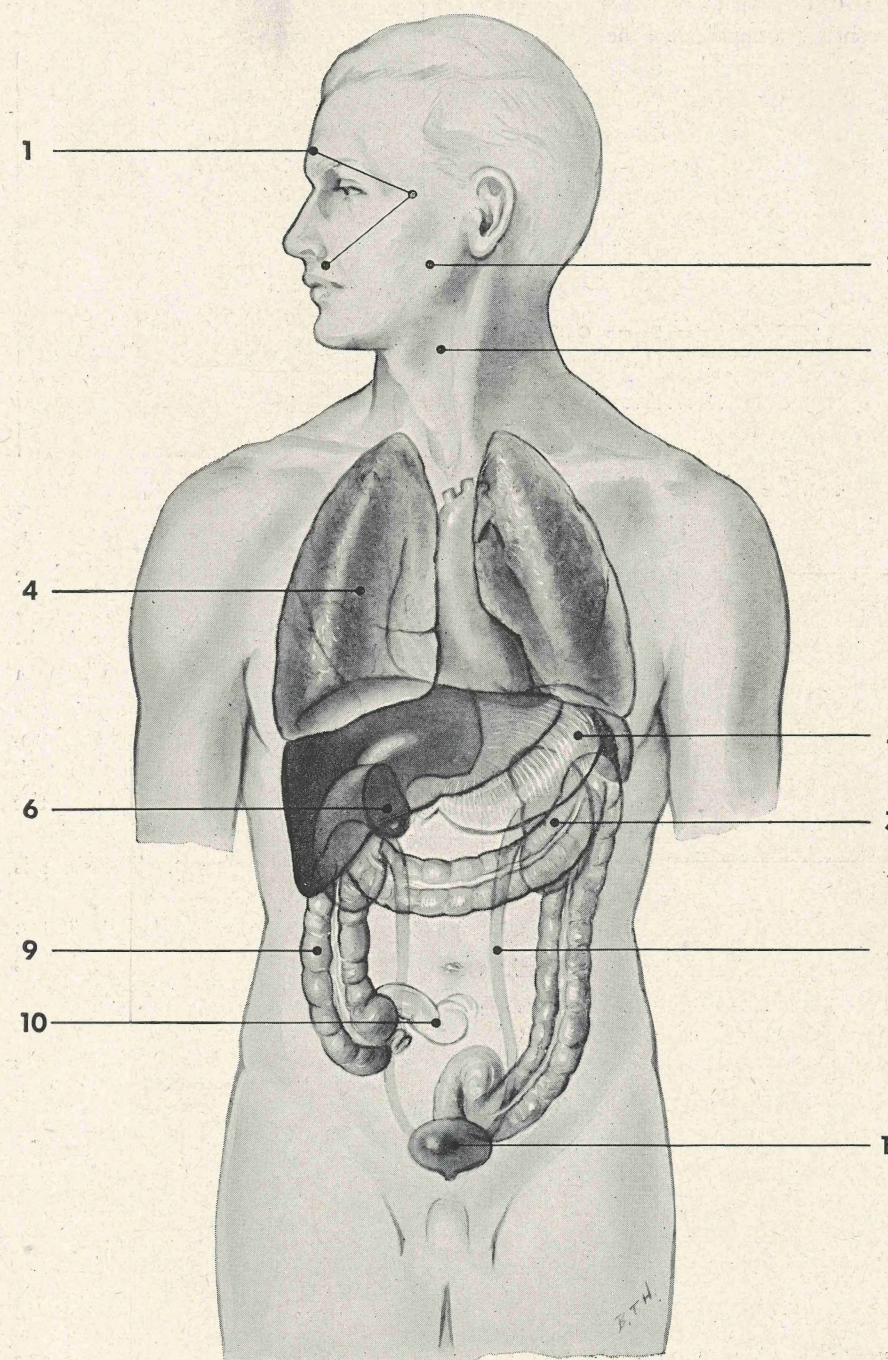
Cholestim supplants the fat meal in cholecystography. Composed chiefly of egg-yolk, glycerin, and flavoring, Cholestim is pleasantly palatable, eliminates objections of patients averse to the ordinary fat meal, is rapid-acting and uniform in quantity and quality. Content of one bottle is poured into a glass containing 4 ounces of water. Unlike the fat meal, in examinations

involving both the gallbladder and G-I tract Cholestim does not retard gastric motility.

Cat. No.		
E4520A	Cholestim, per doz. 30-cc. bottles	\$4.25
E4520B	Cholestim, Clini-Package, twenty-five 30-cc. bottles	8.20
E4520C	Cholestim, Hospital Package, fifty 30-cc. bottles	14.90
E4520D	Cholestim, Hospital Package, 100 30-cc. bottles	29.25



ANATOMIC CHART to uses of Diagnostic Opaques



- 1. SINUSES**—Iodochlorol—an iodized peanut oil with specific gravity of 1.23.
- 2. PAROTID GLAND AND DUCT**—Iodochlorol—low viscosity renders possible radiologic exploration of this and other small glandular passages.
- 3. ESOPHAGUS** — Neo Bari-O-Meal — adheres to normal mucosa long enough to permit diagnostic observation.
- 4. LUNG** — Iodochlorol — especially recommended for both its diagnostic and therapeutic value.
- 5. STOMACH**—Bari-O-Meal—a ready-mixed barium meal for outline examination. Neo Bari-O-Meal—for demonstration of rugae outline. Barium Sulfate—for routine examination when mixed with a suitable vehicle.
- 6. GALLBLADDER** — Cholepulvis, Tetradol Emulsion, Iodeikon, Iso-Iodeikon, and Priodax.
- 7. KIDNEY**—Hippuran, Neo-Iopax, and Diodrast.
- 8. URETER**—Iodochlorol—may be used to demonstrate both anterior and posterior urethra.
- 9. COLON** — Bari-O-Meal, Barium Sulfate, and Neo Bari-O-Meal—may be used in routine examination and also barium clysmas.
- 10. SMALL INTESTINE**—Bari-O-Meal, Barium Sulfate, and Neo Bari-O-Meal—routine x-ray and fluoroscopic examination.
- 11. BLADDER** — Iodochlorol, Diodrast, and Neo-Iopax.

SPINAL CORD — Pantopaque—for examination of any part of the spinal canal. Iodochlorol — suitable for epidural and subarachnoid injection.

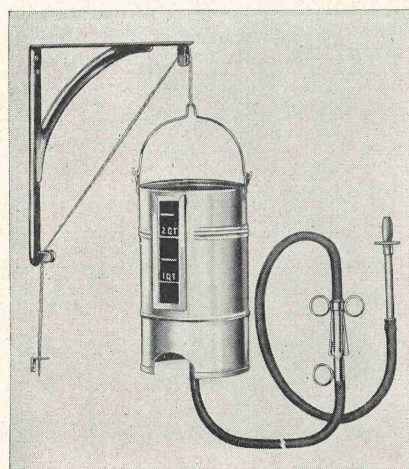
FALLOPIAN TUBES — Iodochlorol — require about 10 to 15 ccs. for injection. Neo-Iopax—used with 50% glucose solution.

FISTULA—Iodochlorol.

Prices subject to change without notice.

G-E ACCESSORIES FOR ADMINISTRATION OF BARIUM MEAL

G-E BARIUM ENEMA OUTFIT

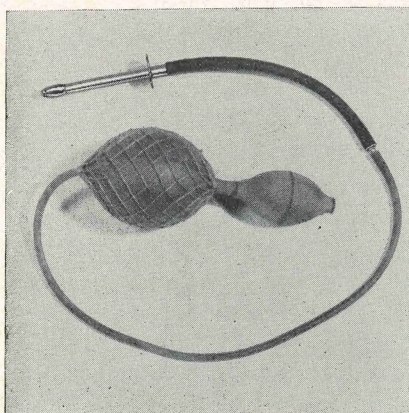


This barium outfit is easily cleaned, readily adjustable, and solidly built and consists of a 2-quart chromium plated container (less cover), 2 olivary tips, 72-inch hose and hose cut-off. Window built in container's side allows operator to observe speed of mixture's flow. Bottom is funneled to prevent clogging. Available with or without bracket.

Cat. No.

E8005A	G-E Barium Enema Outfit, including E8005E, F, G, H and J, but less wall bracket.....	\$16.50
E8005B	Wall Bracket with pulley and chain	3.00
E8005C	G-E Enema Tip with 2 olive points, cut-off and hose	7.00
E8005E	G-E Enema Tip only	1.40
E8005F	Olive Point, large	.60
E8005G	Olive Point, small	.60
E8005H	Cut-Off only	4.40
E8005J	Hose only	.50

COLON AIR INSUFFLATOR



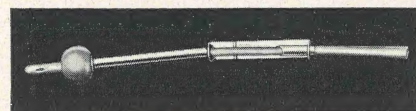
This device is useful in distending the colon with air following a barium enema, to facilitate x-ray delineation of the intestinal mucosa.

Cat. No.

E8006D	Colon Air Insufflator.....	\$7.50
--------	----------------------------	--------

G-E COLOJECTOR ENEMA OUTFIT

This barium outfit is identical with the E8005A except that instead of two olivary tips and hose cut-off, it features the Colojector attachment (see illustration).

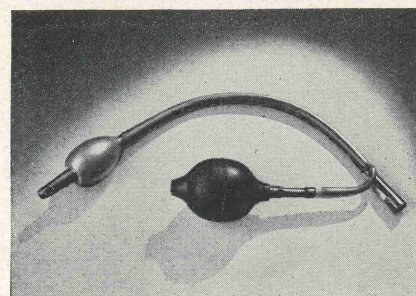


A sponge-rubber ball fits closely against the anus to prevent regurgitation of the enema, even if the patient's sphincter control is impaired. The Colojector provides complete control of administration; is so designed that the nurse's hand is far enough from the patient to be entirely out of the path of x-rays; is easy to use and can be readily cleaned. Colojector available separately.

Cat. No.

E8007A	G-E Colojector Enema Outfit, less bracket	\$19.50
E8005B	Wall Bracket with pulley and chain	3.00
E8006A	Colojector only	8.00

No. 140 BARDEX VIRDEN ENEMA TUBE



Made of rubber and with a self-retaining enema tip, this balloon-type catheter permits administration of a barium enema without danger of regurgitation. Available only in size 30-F, this tube withstands hard usage and repeated sterilization and may be kept on hand for months without deteriorating appreciably. The bulb for inflating the balloon-type self-retaining tip can be replaced separately.

Cat. No.

E8027A	No. 140 Bardex Virden Enema Tube with E8027C Bulb....	\$6.00
E8027C	Bulb only, for E8027A.....	2.00

Prices subject to change without notice.

MOTOR DRIVEN BARIUM MIXER

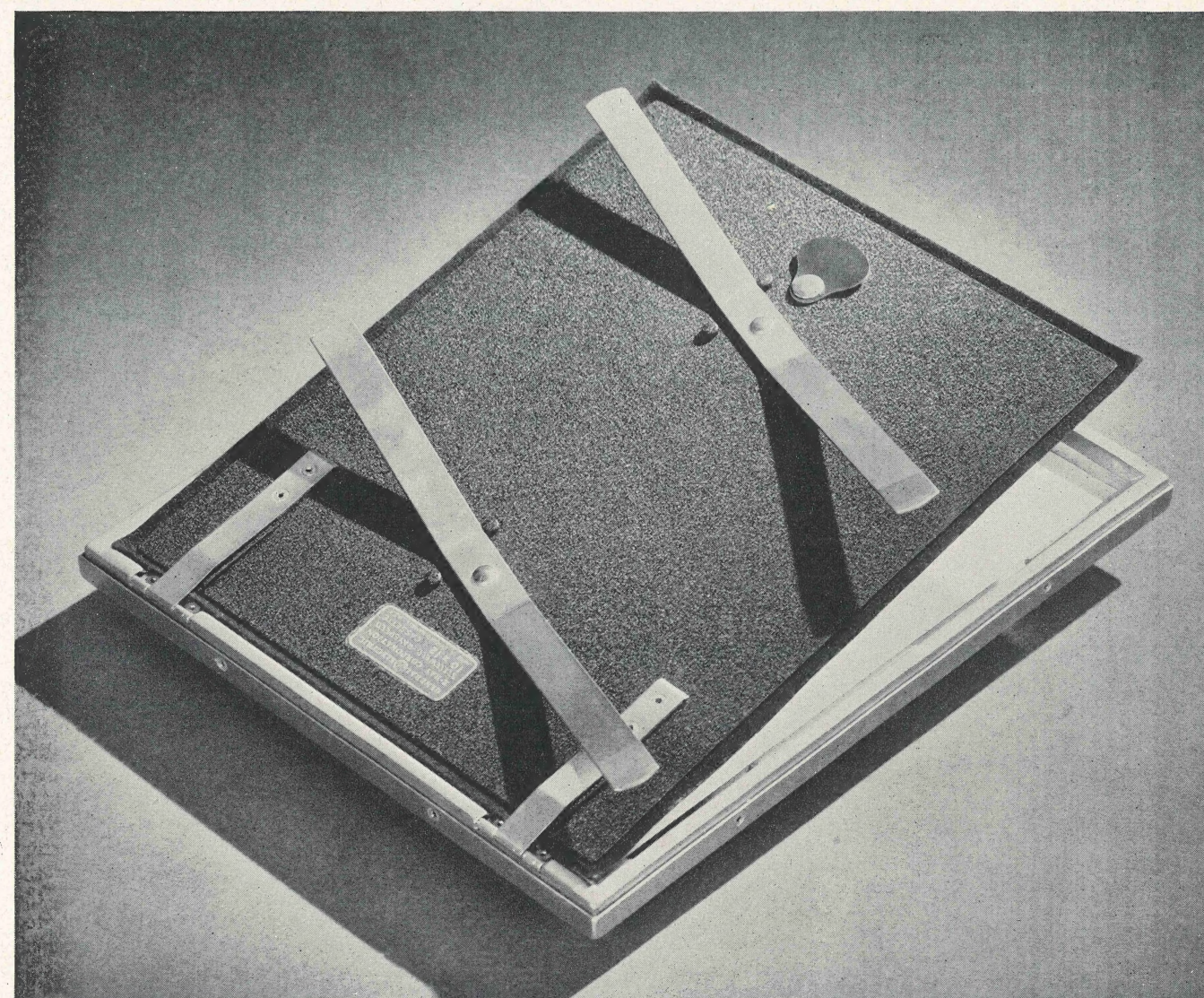


This electric barium mixer is attractively finished in chromium plate with non-staining porcelain base. The base casting, with 2-speed motor, weighs 12 pounds and is supported by 4 rubber bumpers which absorb vibration and assure a solid substantial, quiet unit. Unit now comes with chromium-plated metal container 7 inches tall. When a container is put in place, the motor starts. When the container is removed, the motor stops. The shaft is not removable but is cleaned by running the motor with the shaft immersed in water. This unit mixes barium quickly and perfectly. Maximum volume practical for mixing—22 ounces. Overall dimensions: Base 6 by 7½ inches, height 18½ inches. Shipping weight of entire unit approximately 22 pounds.

Cat. No.

E8004D	Motor Driven Barium Mixer, complete with a metal container, Universal 110/120-v, 25/60 cycle or d-c motor	\$32.50
T0267B	Replacement Metal Container for E8004D	3.00

CASSETTES, SCREENS, AND EXPOSURE HOLDERS



G-E STELE-WELD RAYSPEED CASSETTES

Though lightweight, the G-E Stele-Weld Rayspeed Cassette is the strongest cassette ever designed. Two mitred, rolled-steel, welded rectangles fit together to form its frame. Larger sizes are additionally reinforced by internal bridge-type supports.

Another exclusive Stele-Weld feature that assures uniform and permanent screen contact is spring-leaf hinging. This allows screens to float naturally over entire film area—precludes pinching at hinged end—prolongs screen

life by eliminating sideplay of the back and consequent abrasions and screen surface wear. To further insure pressure and contact uniformity, each Stele-Weld Cassette is cushioned with long-fibered, uniformly thick felt. This effectively prevents leakage of light into the cassette.

Permeability of the Rayspeed front permits the use of lower energies . . . assures better definition in soft tissue work. Raising and lowering the back is easily effected by a handy lift. Inner frame is beveled to facilitate insertion of films.

G-E Stele-Weld Rayspeed Cassettes are available in a full range of sizes. In

every respect the Steel-Weld is unsurpassed for convenience, efficiency, and long-run economy.

WITHOUT SCREENS

Cat. No.

E0062AC	5"x7"	\$11.55
E0062AJ	6½"x8½"	14.85
E0062AK	6½"x8½" (in. oversize frame)*	17.35
E0062AL	7"x17"	22.00
E0062AP	8"x10"	16.50
E0062AQ	8"x10" (in. oversize frame)*	19.55
E0062AR	10"x12"	19.25
E0062AT	11"x14"	22.00
E0062AW	14"x17"	24.75

*For those spot-film devices that were originally equipped with Rayspeed Cassettes.

Prices subject to change without notice.

G-E STELE-WELD CASSETTES
WITH 2 SCREENS

	Cat. No.*
With 2 Patterson Par Speed Screens	E0063A
With 2 Patterson Detail Screens	E0087A
With 2 Kodak Ultra-Speed Screens	E0071A
With 2 Kodak Fine Grain Screens	E0072A
With 2 Kodak High-Definition Screens	E0073A

*To this incomplete catalog number add the suffix given below to designate size. Price given following the suffix listing is that for cassettes with screens.

Suffix	
C 5"x7"	\$14.75
J 6 1/2"x8 1/2"	21.35
K 6 1/2"x8 1/2" (in oversize frame)†	23.85
L 7"x17"	38.00
P 8"x10"	27.00
Q 8"x10" (in oversize frame)†	30.05
R 10"x13"	35.25
T 11"x14"	43.00
W 14"x17"	56.75

†For those spot-film devices that were originally equipped with Rayspeed Cassettes.

If you are not familiar with the outstanding characteristics of the above screens, you will find them outlined under the next heading—"Intensifying Screens."

INTENSIFYING SCREENS

To avoid screen-mounting headaches, we suggest that you entrust this procedure to us. We know how to test and prepare the cassette and to mount the screens to provide good contact between screen and film. It is false economy to put new screens in faulty cassettes, as the quality of the radiograph will be affected by imperfect contact, loose hinges, cracked or sprung frames, dented or warped fronts, or worn felt. On the other hand, if your cassettes are in good condition, replacement of worn or damaged screens is often a thrifty and wise move. In case of damage to only one screen, separate back or front screens are available.

EASTMAN INTENSIFYING SCREENS
CLEANABLE

Eastman Intensifying Screens are available in three types that might be designated as high-speed, average-speed and slow-speed. They are—

Kodak Ultra-Speed—described by Eastman as the highest speed compatible with excellent definition—for use in those situations where shortness of exposure is the primary consideration. Advised for use with units under 100-ma capacity.

Kodak Fine Grain—the average speed screen—for use where it is desired to record greater detail either by employing a longer time factor or by increasing kilovoltage. Requires only slightly more exposure than Ultra-Speed.

Kodak High-Definition—the ideal all-purpose screen. With about 40% more exposure than Ultra-Speed, this screen provides an approach to "no screen" quality with intensifying screen technic.

PATTERSON INTENSIFYING
SCREENS—CLEANABLE

Available in 3 types, which might be identified as average-speed, slow-speed and extremely fast. They are—

Patterson Par-Speed—the general utility screen—recommended for 1) general radiography where approximately 100-ma or greater capacity is available, and 2) improved detail with many units of less than 100-ma capacity where length of exposure does not make immobilization difficult.

Patterson Detail—called by Patterson "the finest combination of contrast and detail yet available." Recommended for use with 1) new superpower apparatus and fine focus tubes, and 2) lower-powered equipment for extremities and even heavier parts where sufficient immobilization is possible. Between 1/2 and 1/3 the speed of Par-Speed.

Patterson Fluorazure—a higher-priced special screen—very sensitive to soft radiation and therefore well adapted to soft tissue work. At 30 kv. approximately 4 times as fast as Par-Speed. Not recommended for use above 45 kv. In medical x-ray practice it is most useful with small portable units for exposure otherwise beyond the range of the apparatus.

Screens Only	Cat. No.*
	Per pair
Kodak Ultra-Speed	E0074
Kodak Fine-Grain	E0075
Kodak High-Definition	E0076
Patterson Par-Speed	E0015
Patterson Detail	E0088

*To this catalog number add the Catalog Suffix shown below to designate the size you desire.

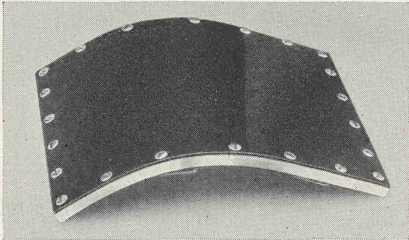
Cat. No.	Per pair
Suffix	
A 5"x7"	\$ 3.20
B 6 1/2"x8 1/2"	6.50
H 7"x17"	16.00
C 8"x10"	10.50
D 10"x12"	16.00
E 11"x14"	21.00
G 14"x17"	32.00
K per square inch (18"x26" max.)	.14

Prices subject to change without notice.

Patterson Fluorazure Screens—Cleanable

Cat. No.	Per pair
E0017A 5"x7"	\$ 9.50
E0017B 6 1/2"x8 1/2"	15.00
E0017H 7"x17"	32.50
E0017C 8"x10"	21.00
E0017D 10"x12"	32.50
E0017E 11"x14"	42.00
E0017G 14"x17"	65.00
E0017J per sq. in. (18"x26" max.)	.28

CURVED CASSETTE
JONES DESIGN



Designed for use in lateral roentgenography of the neck of the femur, the short upper portion of this cassette makes an angle of 135° with the lower, corresponding to the usual angle the neck of the femur makes with the shaft.

According to Dr. Laurence Jones, this cassette permits consistent results, eliminates distortion and reduces object-film distance. It takes a 6 1/2" x 8 1/2" film, is small enough to slip between the patient and the post of a fracture table, yet large enough to show the object. Useful also to radiograph the joint space of the knee or any splinted extremity that cannot be straightened.

Cat. No.	
E0046A Curved Cassette, 6 1/2"x8 1/2", with 2 Par-Speed Screens	\$40.00

EXPOSURE HOLDERS

Exposure holders sold by us are made of heavy cardboard, hinged, and with lead backing. Inside and fastened to one of the boards is an envelope in which the film is placed. When the boards are closed they may be fastened by a hinged metal clip. Durable and inexpensive, these holders are a great convenience when exposures are to be made without screens.

Cat. No.	
E0019A 5"x7"	\$0.25
E0019B 6 1/2"x8 1/2"	.35
E0019G 7"x17"	.70
E0019C 8"x10"	.35
E0019D 10"x12"	.45
E0019E 11"x14"	.55
E0019F 14"x17"	.65



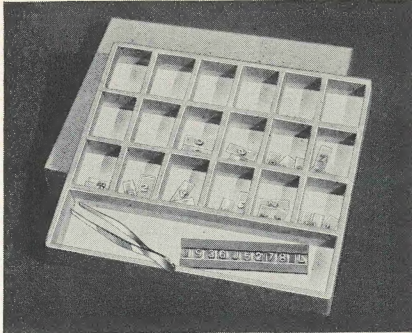
G-E FILM MARKER

Best marker by far for general use—small, lightweight, efficient and accurate. Name and address of doctor or institution permanently imprinted in marker. Two lines, grooved so that 8 movable letters or figures may be inserted into each, complete the identification by permitting insertion of *case numbers* up to 5 digits, an "R" or "L" to signify *Right* or *Left*, and *the date*. This information is imprinted at time of exposure. The complete set consists of the marker (3" long, 1-1/16" wide and 1/8" thick); an additional filter for heavy exposures; five each numbers "0" to "9" inclusive and two each "R" and "L"—mounted on metal clips—all in a handy compartment box. Imprint limited to two lines of not more than 22 *characters and spaces* each.

IMPORTANT—BE SURE TO SPECIFY THE IM-
PRINT WHEN ORDERING.

Cat. No.	
E0045A G-E Film Marker, complete	\$10.00
E0045B Additional Letters or Figures mounted on metal clips, for E0045A Marker, each	.12
E0045C Extra Holder, with imprint, for E0045A	5.00

FILM MARKER SET



If your imprint cannot be limited to 22 letters and spaces or if you prefer a less expensive marker, this is a simple

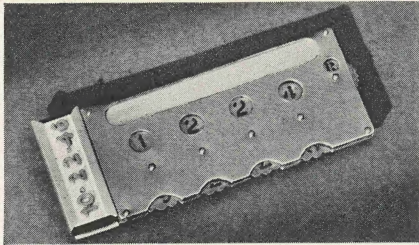
FILM MARKING DEVICES

and efficient means of imprinting negatives. The complete set consists of an aluminum holder with raised two-line name imprints, three sets of mounted lead figures "0" to "9" inclusive, one each "R" and "L", a compartment box and tweezers. The holder (3/4" wide and 1/8" thick) will be furnished in any length necessary to accommodate the desired imprint. Remember that it accommodates only 3/16" letters and figures.

IMPORTANT—BE SURE TO SPECIFY THE IM-
PRINT WHEN ORDERING.

Cat. No.	
E0031A Film Marker Set with E0032A Aluminum Holder	\$5.00
E0032A Aluminum Holder for E0031A, with raised letter imprint 3/4 inch wide	2.30
E0032B Aluminum Holder for E0031A, without imprint	.25
E0033A Lead Letters and Figures, Hair-line, 3/16", mounted on celluloid, for E0032A, each	.06

QUICK-SET FILM MARKER



With this stencil-type marker, the case number is formed by turning the wheels . . . thus making possible any number from 1 through 9,999. If a five-digit marker is desired, it can be supplied on special order. A side wheel turns to show "R" or "L". The name and address of institution or doctor is permanently imprinted into the upper section. This imprint is limited to two lines of 20 *letters and spaces* to each line. Cat. E0030B (illustrated) has a Months and Dates attachment riveted to the left side of the marker. Cat. E0030A has no provision for showing the date. If you have one of this older style, without dater, you can convert it to a E0030B by sending it in to the factory

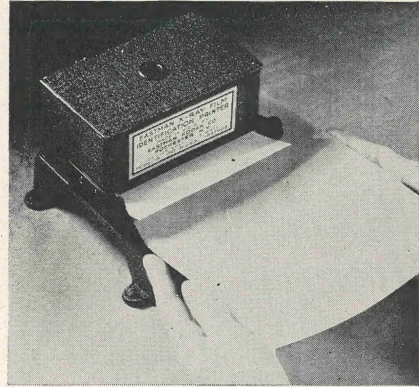
Prices subject to change without notice.

to have a Months and Dates attachment riveted on. There is a 75c service charge for this in addition to the price of the attachment.

IMPORTANT—BE SURE TO SPECIFY THE IM-
PRINT WHEN ORDERING.

Cat. No.	
E0030A Quick-Set Film Marker (Overall dimensions: 3 5/8"x1 3/4"x1/8")	\$6.50
E0030B Quick-Set Film Marker with Months and Dates Attachment (Overall dimensions: 4 1/4"x1 3/4"x1/4")	9.50
E0030C Months and Dates Attachment, and one set of figures (for attachment to E0030A)	3.00
E0030D Mounted Lead Figures for E0030C	.06

EASTMAN X-RAY FILM
IDENTIFICATION
PRINTER



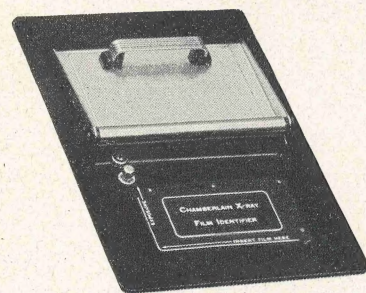
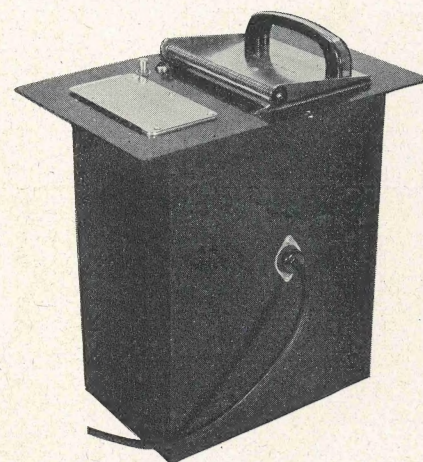
A photographic method of marking radiographs! To use this marker, all cassettes must be prepared in advance either by inserting under the upper left-hand corner of the front screen a rectangle of 1/16-inch lead 1-1/16 inches wide and 2-7/8 inches long or by mounting the lead rectangle in this position on the outside of the cassette. This will shield that section of the film from radiation. After the x-ray exposure has been made, the film is taken to the darkroom and the blank section placed in the printer. Above it is inserted a slip of paper containing the patient's name, case number and date. This information is then photographically imprinted through the paper onto the radiograph.

FILM MARKING DEVICE

The outfit consists of the printer proper, in which the lamp is housed, a convenient treadle for operating it, and a cord and plug to connect the electric current. The Printer should be installed twelve to fifteen inches from the front of a bench or table with an unobstructed space underneath. Overall dimensions: 6-1/2" wide, 4-7/8" high, 4-3/4" deep.

Cat. No.	
E0091A	Eastman X-Ray Film Identification Printer.....\$17.50
	Add excise tax..... 2.50
T0035K	Lamps for E0091A, 6-watt, 115-volt, S-6, set of ten..... 1.50

CHAMBERLAIN X-RAY FILM IDENTIFIER



Essentially a reduction printer. Copies data from a 2"x6" section of a case record card and imprints it in 1"x3" size on the x-ray film. Twice as much information can be included on film by this method since card is photographed—not printed through. Data and film image are developed together.

Cassettes must be modified before this marker can be used. A lead mask 35/8 by 1-3/16 inches is inserted in one corner to block off the area in which the data is later to be imprinted. An

equivalent rectangle should be outlined on the bakelite front of the cassette, so that no important physical field will be unintentionally obscured.

Mounted through an 11 1/8 by 7 3/8 inch hole in the table surface, the Identifier works in this manner. After the x-ray exposure has been made, film and file card are taken into the darkroom. The data card is placed under the lid with the spring cover. The corner of the film is slid under the plate as directed. Exposure is made by pressing the button. The automatic timer assures a uniform imprint. Operates on 115 volts, 50/60 cycles.

Overall dimensions: Flange 8 3/4" x 13". Housing 6 1/2" x 10", 13 1/4" deep. Weight: Net 7 1/2 pounds: shipping 12 pounds.

Cat. No.	
E0097A	Chamberlain X-Ray Film Identifier\$130.00

LEAD LETTERS AND FIGURES



Because of its uniform thickness across the face, the flatface lead letter has superior absorption value. In addition to it, we stock hairline letters—unmounted and mounted on celluloid.

Cat. No.	
E0033K	Flat Face Type, unmounted, size 3/16", 1/4", 3/8" and 1/2" overall, ea.\$.04
E0033M	Flat Face Type, unmounted, size 5/8" overall05
E0033A	Hairline Type, mounted on celluloid separately or on strips as words. Character size 3/16" (overall dimensions 7/32") each06
E0033F	Hairline Type, unmounted, Character size 3/16" or 1/4" (overall dimensions 7/32" or 9/32" respectively) each .. .04

Any lead letters other than those above will be considered as special orders and require about a week to ten days for shipment.

Prices subject to change without notice.

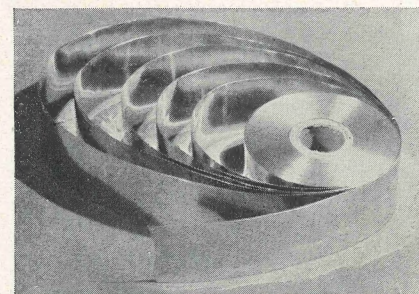
METAL BOX FOR LEAD LETTERS



This box is made of 22-gauge sheet steel with black wrinkle finish. Its 12 compartments—each 1 3/4 by 2 inches with sloping bottom—hold all figures from 0 to 9 inclusive as well as R and L. The center compartment is just the size to hold a G-E Film Marker, or any other marker provided it can go into a space 5 1/2 inches long and 1 3/8 inches wide. The lid fits so tightly that pieces will not shift from one compartment to another when the box is closed. Overall dimensions: 6 1/2" x 8 3/4" x 1".

Cat. No.	
E0095A	Metal Box for Film Marker and Lead Letters\$3.00

LEAD FOIL



This tin-plated lead foil is intended for use in the Cummins Perforator and comes in two sizes.

Cat. No.	
E0034A	1-15/16"x.008". Approximately 129 feet or 9 1/4 to 9 1/2 pounds, per roll\$8.00
E0034B	15/32"x.008". Approximately 126 feet or 2 1/4 to 2 1/2 pounds, per roll 2.00

IMPERMO DEVELOPING TANKS AND ACCESSORIES

For twenty years all G-E tanks have carried the trademark "IMPERMO" to designate the impermeable composition—or plastic—material from which they are made. Impermo is light-weight, chip-proof, non-porous, non-corrosive, yet strong and hard, with a smooth surface that is easy to keep clean. It is neutral in its composition, exerting no action on photo-chemicals and immune to action from them. Impermo tanks are molded. There are no seams nor joints to harbor sediment from old solutions or to leak, warp or buckle. The strength of Impermo is comparable to an equal thickness of plate glass. Unless through accident or carelessness a tank is given an extremely hard blow, it should last a lifetime. A complete line of these tanks is available to meet all requirements.

To enable you to make your choice quickly, easily and intelligently... we have prepared the three following statements. Check whether or not they are true for you!

1. I can now operate satisfactorily with 5-gallon solution capacities or less. Yes_____No_____
2. I expect my future volume to remain practically the same. Yes_____No_____
3. I have no trouble keeping solutions at 65° all the year round. Yes_____No_____

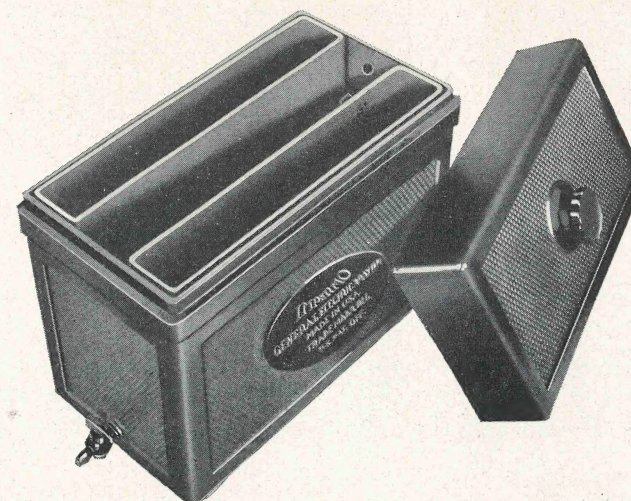
If you have checked "Yes" after all three, you can use one of the dental or medical tanks shown on Pages 17 and 18.

If you checked "No" after Statement 1 or 2, or both, but "Yes" after Statement 3, you should turn to Page 18 and read the discussion of the "Master Tank System" and you will probably find a suitable tank under the Non-Insulated models listed there.

If you checked "No" after Statement 3, you should not only read the discussion of the "Master Tank System" but also of "Insulation". You will undoubtedly find your best and most economical unit under the listing of Insulated Tanks on Pages 19, 20, and 21.

HALF-GALLON DENTAL TANK (formerly Model 3980)

This tank is ideal for the dental or small medical laboratory as it requires no permanent plumbing connections. Running water and waste connections can be made by



means of a detachable rubber hose. It will accommodate 40 intraoral films or 2 extra-oral films up to and including 8 x 10 inch size. It will also accommodate 5 feet of 35 mm cardifilm or cardiopaper when used with a 1-film dental hanger (E1014A). Two solution tanks of 1/2-gallon capacity are included. This provides effective temperature control as tap water can circulate around each solution tank. Overall dimensions: 13 3/16" long, 7 1/8" wide, 11 7/8" high (with cover). Inside dimensions of inserts: 12" long, 1 7/8" wide and 9 3/8" deep. Shipping weight 18 pounds.

Cat. No.	
E1002B	Dental Tank, with two 1/2-gallon solution tanks, cover, inlet and outlet fittings.....\$ 35.50
E1005H	1/2-gallon Solution Tank only..... 4.25
E1008R	Tank Cover for E1002B Tank..... 3.00

1-GALLON 3-COMPARTMENT DENTAL TANK (formerly Model 3650)

Long a favorite in dental and small medical laboratories, this tank is designed for permanent plumbing connections. The bottoms of the 1-gallon solution compartments slope toward the center wash compartment, which is deeper than they. This assures complete drainage of sediment. While easily mounted on a shelf or bench, this tank is almost universally suspended through a 9 3/4" by 12 3/4" opening in the bench top into the space underneath, where it is permanently connected to the plumbing. The bench top is left practically clear with only the 1 1/2" flange of the tank, covered by the lid, protruding from its surface.

This is an excellent tank for electrocardiograph owners. It will accommodate up to 9 feet of 35 mm or 7 feet of 45 mm cardifilm or cardiopaper, when used with an upright 8 x 10" hanger. The tank has an attractive hammered finish.

Overall dimensions (including flange): 13 9/16" long, 10-9/16" wide, 16-15/16" high. Inside dimensions of solution compartments: 9" long, 2" wide, 15 3/4" deep. Shipping weight approximately 35 pounds.

Cat. No.	
E1002A	3-Compartment Dental Tank, 1-gallon solution capacity, including intake, drain, standpipe overflow and cover.\$ 39.00
E1008U	Tank Cover for E1002A..... 3.50



Prices subject to change without notice.

3-GALLON 3-COMPARTMENT TANK

(formerly Model F)

This is the smallest Impermo tank that will accommodate 14 by 17 films. Placed with one solution compartment at the right and the other at the left, overall dimensions are: 17 $\frac{3}{8}$ " from front to back, 11 $\frac{1}{2}$ " wide and 22 $\frac{1}{4}$ " high. With supports, the rim top is 38" from the floor. Inside dimensions of solution compartments are: 15" from front to back, 2 $\frac{1}{4}$ " wide and 20" deep, each having a capacity of 3-gallons to within a little over an inch from the top. The wash compartment is also 15" from front to back but is 5" wide and holds approximately 7 gallons of wash water.

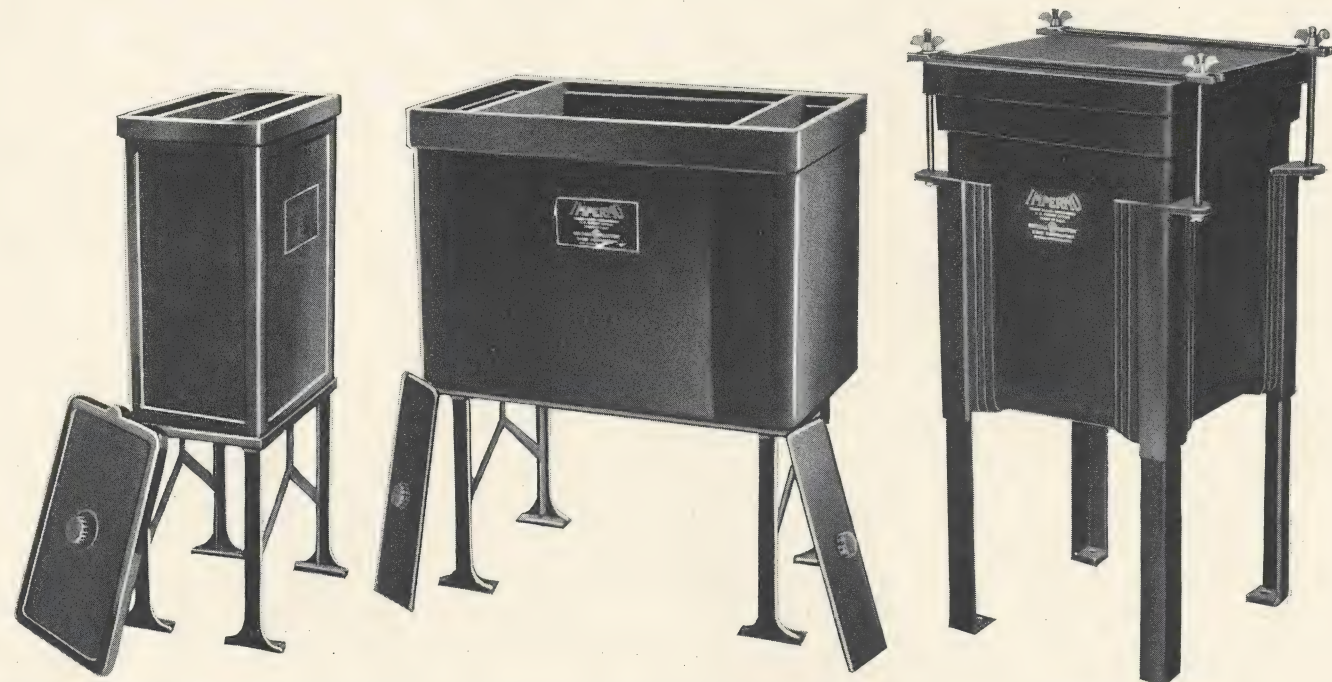
Cat. No.	
E1001B	Impermo 3-Compartment Tank, 3-gallon solution capacities. Includes intake, drain, built-in standpipe overflow and cover (approx. shipping weight 55 lbs.).....\$ 55.00
E1001E	With Tank Supports, otherwise same as E1001B..... 65.00
E1008S	Tank Cover for E1001B..... 3.85

5-GALLON 3-COMPARTMENT TANK

(formerly Model 3649)

Similar to the 3-gallon compartment tank but with 5-gallon solution capacities and 26 gallons of wash water, overall dimensions of this tank are 17 $\frac{1}{2}$ " from front to back, 30" wide and 21 $\frac{3}{4}$ " high. With tank supports, the rim top is 38" from the floor. Inside dimensions of solution compartments are 15" from front to back, 4 $\frac{1}{4}$ " wide and 20" deep. Wash space 15" from front to back and 20" wide. Estimated capacity of 40 films per hours at 65°.

Cat. No.	
E1001A	Impermo 3-Compartment Tank, 5-gallon solution capacities. Includes intake, drain and standpipe overflow. (Approx. shipping weight 145 lbs.).....\$ 100.00
E1001D	With Tank Supports, otherwise same as E1001A. (Approx. shipping weight 165 lbs.)..... 110.00
E1008G	Tank Covers for Solution Compartments of E1001A, each 2.50



3-Gallon 3-Compartment Tank with Cover

5-Gallon 3-Compartment Tank, with Cover

Model B Splashproof

Prices subject to change without notice.

SPLASHPROOF TANK

Designed for use in trucks, trailers, ships, etc., this tank has thick sponge rubber pads inside the cover which effectively seal solution and wash compartments when the cover is bolted in place. The cover is held by 4 easily removable bolts. All metal parts, including legs, are imbedded in Impermo, thus effecting rigidity. Entire unit is very compact, sturdy and lightweight. Each unit includes two 3-gallon solution tanks. If larger capacity is necessary, one 3- and one 5-gallon or two 5-gallon solution tanks can be supplied at additional cost. Overall dimensions 18 $\frac{1}{4}$ " square, 38" high (including legs).

Cat. No.	
E1003E	Model B Splashproof Tank complete with two 3-gallon Impermo solution tanks, cover and legs. (approx. shipping weight 230 lbs.).....\$ 258.00

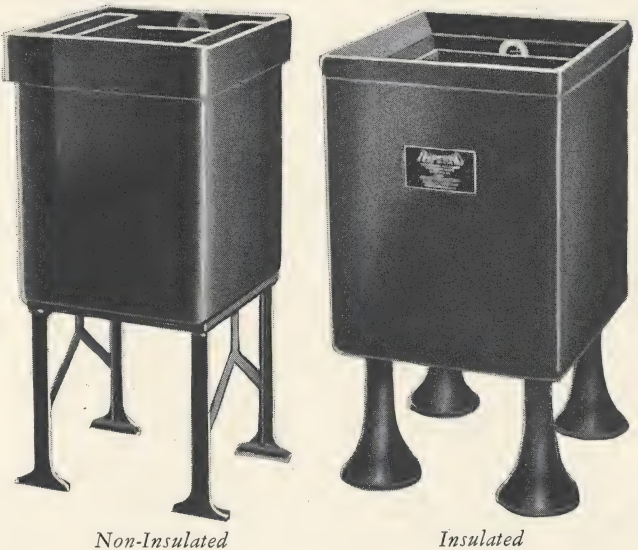
MASTER TANK SYSTEM

The Master Tank System outlined here, with its available multiple tank combinations and backgrounds, is that which we strongly recommend for growing laboratories as the most flexible, adaptable and economic system for x-ray processing room use. It is simplicity itself. You can start with one basic—or master—tank containing two 3-gallon solution tanks and—without discarding a single master unit—can expand to 5-, 10-, 15-, and 20-gallon solution capacities simply by adding larger solution tanks or a second—and possibly third—master tank. Based on this unit principle, it's a system that grows as your work grows.

The basic units are two master tanks designed for use with removable containers, or solution tanks. Each master tank is available in an insulated or non-insulated model. The inside measurements, possibilities of expansion, and background combinations are identical. Each has all four sides and bottoms of the solution tanks exposed to the water circulating within the master tank, thus affording a rapid and efficient method of establishing and maintaining uniform tank temperatures. If keeping your solu-

tions at 65°F. all the year round is *not* a difficult matter, the non-insulated master tank models should be practical for you. If climate or building heat makes temperature control a problem, you should consider an insulated tank installation and possibly refrigeration equipment. In order to simplify identification, we call these "A" and "B" Tanks. The "B" is the smaller, square tank; the "A" larger and rectangular. Either tank, when used alone, holds two solution tanks—available separately. When used in combination with one and possibly two other master tanks, the combination is indicated by listing the master tanks in sequence from left to right. When you speak of an "AB" tank combination, for instance, you mean the rectangular A tank is placed to the left of the square B tank, as shown on Page 20.

MASTER B TANK



Non-Insulated

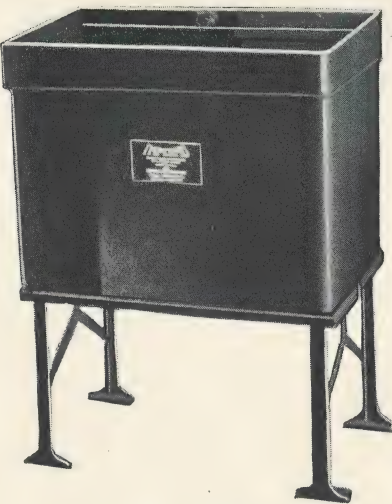
Insulated

The accompanying illustrations will give you a good idea of the difference in appearance and construction of the insulated and non-insulated models of the Master B Tank. Inside measurements are exactly the same . . . 16 $\frac{1}{4}$ " square and 21 $\frac{1}{2}$ " deep . . . without seams or joints. The uninsulated model has walls about $\frac{3}{8}$ " thick and a protective rim 4 inches deep and about $\frac{5}{8}$ " thick around the top, making its overall measurements 18 $\frac{1}{4}$ " square. The thick insulating side walls of the insulated model make its outer dimensions approximately 22 $\frac{1}{2}$ " square. Legs on the insulated model and supports (optional) on the non-insulated, bring the rim of the tank to 38" above the floor. Designed for use with any combination of 3- or 5-gallon solution tanks, the B is especially suited to the small laboratory. When equipped with 5-gallon developer and fixer solution tanks, it will develop approximately 24 films per hour at 65°F. Should your volume increase so that this capacity is not adequate, you can add another master tank.

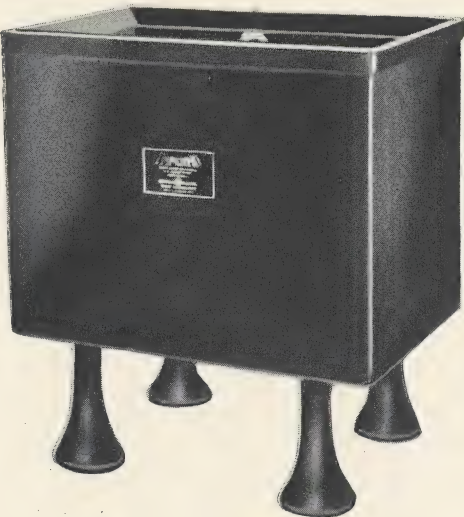
MASTER A TANK

The Master A Tanks (right) are larger than the B and rectangular. The inside dimensions of both insulated and non-insulated models are the same: 16 $\frac{1}{4}$ " from front to back, 29" wide, and 21 $\frac{1}{2}$ " deep. The non-insulated model, with its $\frac{3}{8}$ " walls and 4-inch protective rims $\frac{5}{8}$ " thick, has overall dimensions of 18 $\frac{1}{4}$ " from front to back, and is 30 $\frac{1}{2}$ " wide. The thick walls of the insulated model bring the outer dimensions to 22 $\frac{1}{2}$ " from front to back and 35 $\frac{1}{4}$ " wide.

Prices subject to change without notice.



Non-Insulated



Insulated

Both, when used with supports or legs, have an overall height of 38". The Master A Tank is designed for any combination of 3-, 5-, 10-, or 15-gallon solution tanks. When used with other master tanks, it will accommodate up to one 20-gallon solution tank. Using a 5-gallon developer and 10-gallon fixer solution tank, it will develop 40 films per hour at 65°F.

INSULATION

The discussion of insulation is logical at this point. We shall try to make it as brief as possible. Where heat is a vital problem, during all or a part of the year, non-insulated tanks, while they can be cooled considerably by circulation of water in the master tank, have two decided disadvantages. *First*—they sweat on the outside, making it difficult to use them without getting moisture on clothing, and they sometimes even drip on the floor. *Second*—since their heat loss is approximately six times that of insulated tanks (1.75 degrees an hour as against 0.3 degrees), the amount of water that has to be circulated around them to satisfactorily control the temperature, is often more costly in the long run than the original purchase price difference. An insulated "B" tank, for instance, costs \$171.00 more than an uninsulated. Over a ten-year period this is a very small

annual difference considering the advantages . . . and your tank is more likely to be in use twenty years! An insulated "A" tank costs \$210.00 more than the same model non-insulated . . . \$244.00 more with background . . . but the same long-time difference holds. So, while the initial cost of the insulated model seems high, one must consider the ease and economy of operation over a lifetime of use.

TANK BACKGROUNDS

Tank backgrounds are available for each tank combination and are therefore custom-built in appearance no matter what the combination. These backgrounds are designed to conceal all plumbing, prevent solutions from splashing over the rear of the tank, and give the entire installation a finished appearance. A tank without a background looks about like a kitchen sink without one.

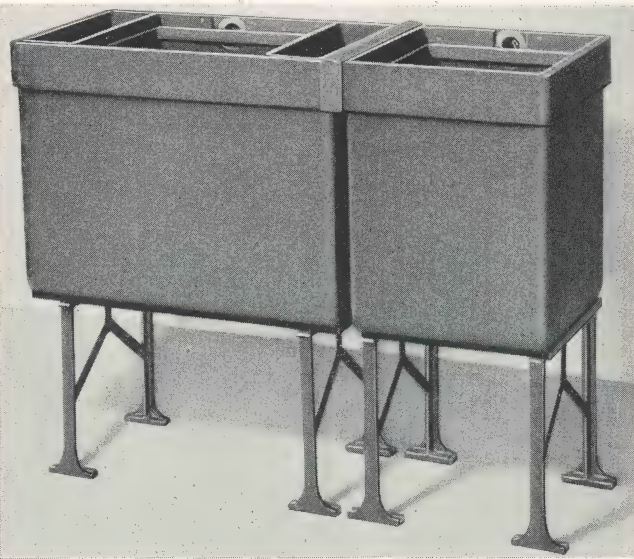
NON-INSULATED IMPERMO
MASTER TANKS AND MULTIPLE
MASTER TANK COMBINATIONS

Non-Insulated Impermo Master Tank Units

Cat. No.	
E1003A	Master Unit A, including intake, drain and overflow fittings. Approximate shipping weight 160 pounds..\$ 110.00
E1003C	With Tank Supports, otherwise same as E1003A. Approximate shipping weight 185 pounds..... 120.00
E1003B	Master Unit B, including intake, drain and overflow fittings. Approximate shipping weight 120 pounds... 94.00
E1003D	With Tank Supports, otherwise same as E1003B. Approximate shipping weight 150 pounds..... 104.00

Non-Insulated Impermo
Master Tank Units with Background

Cat. No.	
E1041A	Model A complete with background and tank supports. Background includes thermostatic mixing valve, dial thermometer, necessary shut-off valves, mixing system inter-connecting plumbing, 8"x10" Safelight, and 14"x17" Fluoroline Illuminator with wet film hanger hooks (specify voltage and frequency). Approximate shipping weight 625 pounds..... 747.00



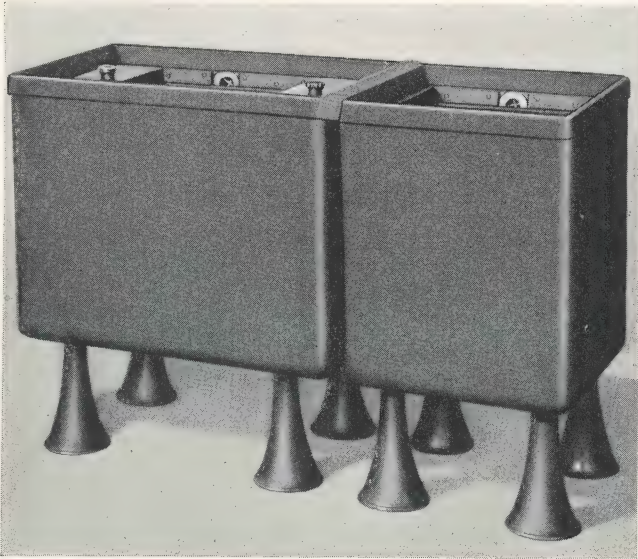
Model AB Master Tank Combination—Non-Insulated

	system inter-connecting plumbing, and 8"x10" Safelight (specify voltage) Approximate shipping weight 375 pounds\$ 495.00
E1041C	Model AB complete with background and tank supports. Background includes thermostatic mixing valve, dial thermometer, necessary shut-off valves, mixing system inter-connecting plumbing, 8"x10" Safelight, and 14"x17" Fluoroline Illuminator with wet film hanger hooks (specify voltage and frequency) Approximate shipping weight 625 pounds..... 747.00
E1041D	Model AA complete with background and tank supports. Background includes thermostatic mixing valve, dial thermometer, necessary shut-off valves, mixing system inter-connecting plumbing, 8"x10" Safelight, and 14"x17" Fluoroline Illuminator with wet film hanger hooks (specify voltage and frequency). Approximate shipping weight 725 pounds..... 767.00
E1041E	Model BAA complete with background and tank supports. Background includes thermostatic mixing valve, dial thermometer, necessary shut-off valves, mixing system inter-connecting plumbing, 8"x10" Safelight, and 14"x17" Fluoroline Illuminator with wet film hanger hooks (specify voltage and frequency). Approximate shipping weight 835 pounds..... 962.00
E1041F	Model AAA complete with background and tank supports. Background includes thermostatic mixing valve, dial thermometer, necessary shut-off valves, mixing system inter-connecting plumbing, 8"x10" Safelight, and 14"x17" Fluoroline Illuminator with wet film hanger hooks (specify voltage and frequency). Approximate shipping weight 1005 pounds..... 981.00

IMPERMO THERMALLY INSULATED
MASTER TANKS AND MULTIPLE
MASTER TANK COMBINATIONS

Impermo Thermally Insulated Master Tank Units

Cat. No.	
E1034A	Model A. Includes intake, drain overflow fittings and Impermo legs. Approximate shipping weight 320 pounds\$ 330.00
E1034B	Model B. Includes intake, drain, overflow fittings and Impermo legs. Approximate shipping weight 260 pounds 275.00



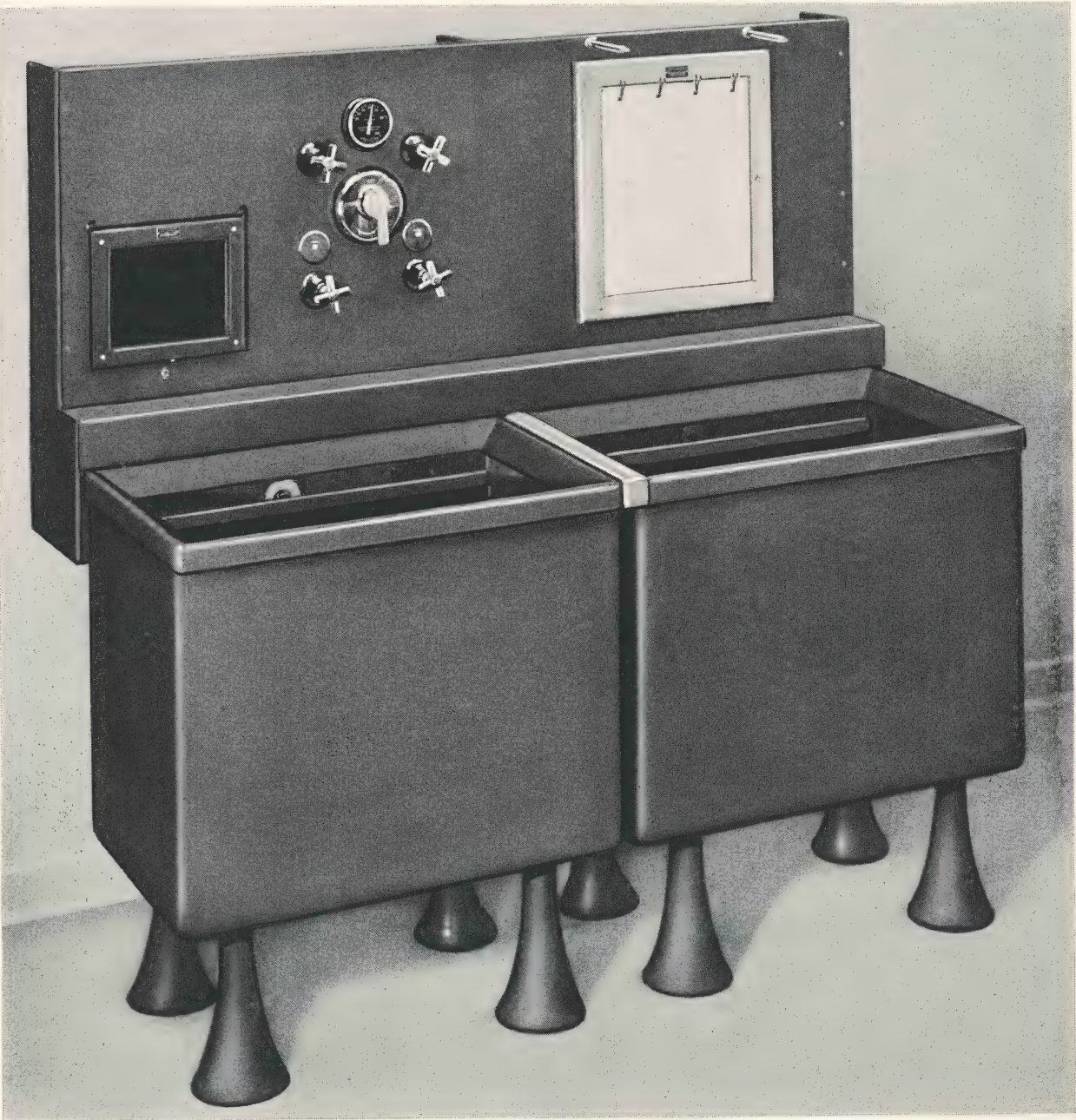
Model AB Master Tank Combination—Insulated

Prices subject to change without notice.

Impermo Thermally Insulated
Master Tank Unit with Background

Cat. No.	
E1034D	Model A complete with background. Background includes thermostatic mixing valve, dial thermometer, necessary shut-off valves, mixing system inter-connecting plumbing, and 8"x10" Safelight (specify voltage). Approximate shipping weight 500 pounds.\$ 739.00
E1034F	Model AB complete with background. Background includes thermostatic mixing valve, dial thermometer, necessary shut-off valves, mixing system inter-connecting plumbing, 8"x10" Safelight, and 14"x17" Fluoroline Illuminator with wet film hanger hooks (specify voltage and frequency). Approximate shipping weight 865 pounds..... 1,180.00
E1034G	Model AA complete with background. Background includes thermostatic mixing valve, dial thermom-

	eter, necessary shut-off valves, mixing system inter-connecting plumbing, 8"x10" Safelight, and 14"x17" Fluoroline Illuminator with wet film hanger hooks (specify voltage and frequency). Approximate shipping weight 1020 pounds..... 1,260.00
E1034H	Model BAA complete with background. Background includes thermostatic mixing valve, dial thermometer, necessary shut-off valves, mixing system inter-connecting plumbing, 8"x10" Safelight, and 14"x17" Fluoroline Illuminator with wet film hanger hooks (specify voltage and frequency). Approximate shipping weight 1240 pounds..... 1,639.00
E1034L	Model AAA complete with background. Background includes thermostatic mixing valve, dial thermometer, necessary shut-off valves, mixing system inter-connecting plumbing, 8"x10" Safelight, and 14"x17" Fluoroline Illuminator with wet film hanger hooks (specify voltage and frequency). Approximate shipping weight 1380 pounds..... 1,617.00



Model AA Master Tank Combination with Background—Insulated

Prices subject to change without notice.

TANK SUPPORTS

For Non-Insulated Tanks

A tank support, or base, consists of 2 cast iron legs, finished in black japan, and a suitable platform upon which to place the tank. Holes are drilled in the platform to accommodate drain fittings. Tank supports are designed to locate the top rim of the tank 38 inches from the floor—the most convenient height for the average person.

Cat. No.	
E1004A	Tank Supports (legs and boards) for Non-Insulated Impermo Tanks (specify tank catalog number). Approximate shipping weight 25 pounds.....\$ 10.00

IMPERMO SOLUTION TANKS

A solution tank, by its very nature, is subjected to hard use. Yet there is no case on record of any Impermo solution tank suffering from acid or alkali corrosion, or being damaged in any other way by the action of photo-chemicals. All Impermo Solution tanks, except E1005A and C, drain into the master tank through outlets which are provided with rubber stoppers removable from the outside. Thus, drainage is a simple matter and lifting the filled solution tanks is never necessary. Five sizes of Impermo solution tanks are available. Their capacities, dimensions and weights are as follows:

Cat. No.	
E1005A	3-gallon, without drain. Inside dimensions 2½" wide, 15" long, 20¾" deep. Approximate shipping weight 32 pounds\$ 16.50
E1005G	3-gallon with drain stopper. Inside dimensions 2½" wide, 15" long, 20¾" deep. Approximate shipping weight 32 pounds 16.50
E1005B	5-gallon with drain and stopper. Inside dimensions 4½" wide, 15" long, 20¾" deep. Approximate shipping weight 35 pounds..... 18.75
E1005C	5-gallon, without drain. Inside dimensions 4½" wide, 15" long, 20¾" deep. Approximate shipping weight 35 pounds 18.75



3-Gallon Solution Tank and Cover



5-Gallon Solution Tank and Cover



20-Gallon Solution Tank

Prices subject to change without notice.

E1005D	10-gallon with drain and stopper. Inside dimensions 8¾" wide, 15" long, 20¾" deep. Approximate shipping weight 40 pounds.....	21.00
E1005E	15-gallon with drain and stopper. Inside dimensions 11½" wide, 15" long, 20¾" deep. Approximate shipping weight 45 pounds.....	25.50
E1005F	20-gallon with drain and stopper. Inside dimensions 15½" wide, 15" long, 20¾" deep. Approximate shipping weight 50 pounds.....	33.00

SOLUTION TANK COVERS

These are genuine Impermo, molded in one piece. A large center knob makes for easy handling. Covers may be ordered with either plain or serrated knobs. When ordering two covers, get one with each type knob and then you can tell the hypo cover from the developer. Covers for standard tank units are listed with the tanks. Those listed below are for 3-, 5-, 10-, 15-, and 20-gallon solution tanks.

Cat. No.	
E1008D	For 3-gallon Solution Tank E1005A or G, each.....\$ 2.25
E1008E	For 5-gallon Solution Tank E1005B or C, each..... 2.50
E1008F	For 10-gallon Solution Tank E1005D, each..... 3.30
E1008H	For 15-gallon Solution Tank E1005E, each..... 3.85

SOFT RUBBER FILLER STRIPS

Molded on the under surface to fit perfectly the contour of the space between two adjacent master tanks, these black rubber filler strips are rounded on top to divert any solution or water into one or other of the master tanks. They prevent solutions dripping between the tanks.

Cat. No.	
E1036A	Soft Rubber Filler Strip for use between Non-Insulated Master Tanks\$ 3.25
E1036B	Soft Rubber Filler Strip for use between Insulated Master Tanks 3.85

REFRIGERATION EQUIPMENT

In buildings where no ice water is available and the tap water is normally above 65 degrees F., automatic individual refrigeration is necessary to correct processing procedure. The type of apparatus best suited will depend upon the number of gallons of cooled water required.

There are three classifications which cover a majority of cases:

- (1) Where tap water temperature is normally fairly low.
- (2) Where tap water temperature is quite high but water demand is not great.
- (3) Where tap water temperature is exceedingly high, and the quantity needed is great.

For classification 1 and 2 G-E recommends the installation of the G-E X-Ray Refrigerated Water Cooler Model RX.

MODEL RX
REFRIGERATED WATER COOLER

Specifically designed for use in connection with x-ray film-processing tanks, this attractive, durable unit is unusually versatile. The Model RX practically solves the problems of main-

taining a temperature of 65 degrees F. in the film-processing tank, when the tap water temperature is normally above 65 degrees.

This cabinet requires a floor space only 16 inches square (41 inches high). In it are the pre-cooler, hermetically sealed condensing unit, motor, water-flow needle valve and all necessary controls, adjusted to deliver water automatically at 65 degrees F. direct to the film-processing tank. Exterior finish is gunmetal lacquer.

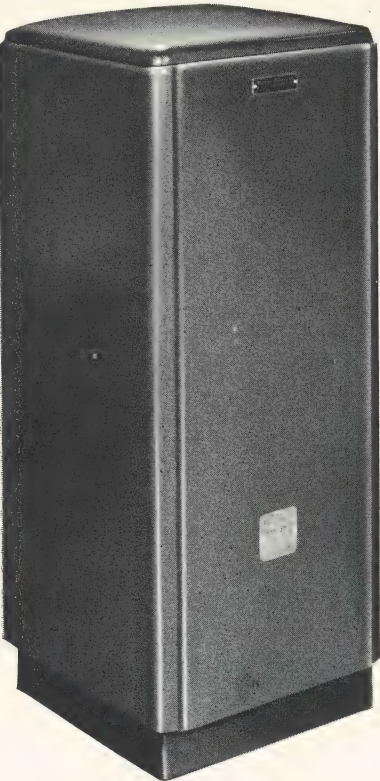
Because the condensing unit is water-cooled, and therefore independent of air-circulation, the refrigerator may be installed in any part of the darkroom, but preferably next to the tank.

Capacity of the Model RX

40 gals. per hour when incoming tap water temperature is 80 degrees F.
22 gals. per hour when incoming tap water temperature is 90 degrees F.
18 gals. per hour when incoming tap water temperature is 100 degrees F.

Cat. No.	
E1033D	G-E Refrigerated Water Cooler, Model RX, 110-volts, 60-cy. Approximate shipping weight 240 pounds\$495.00

NOTE: Add \$15.00 for coolers of other voltages and frequencies and for d.c.



Model RX Refrigerated Water Cooler

Prices subject to change without notice.

MODEL TX
REFRIGERATED WATER COOLER

Where tap water temperature is exceedingly high and the demand is great, this greater capacity water cooler is the ideal unit. Cabinet contains pre-cooler, condensing unit, needle valve and controls necessary to cool water to 65 degrees F. for use in film-processing tanks.

The entire unit occupies only 26½ by 33⅛ inches of floor space and will fit into almost any darkroom without extensive alteration. Height 42 inches.

Capacity of the Model TX

135 gallons per hour at 65°F. when incoming tap water temperature is 80°F.
81 gallons per hour at 65°F. when incoming tap water temperature is 90°F.
58 gallons per hour at 65°F. when incoming tap water temperature is 100°F.
45 gallons per hour at 65°F. when incoming tap water temperature is 110°F.

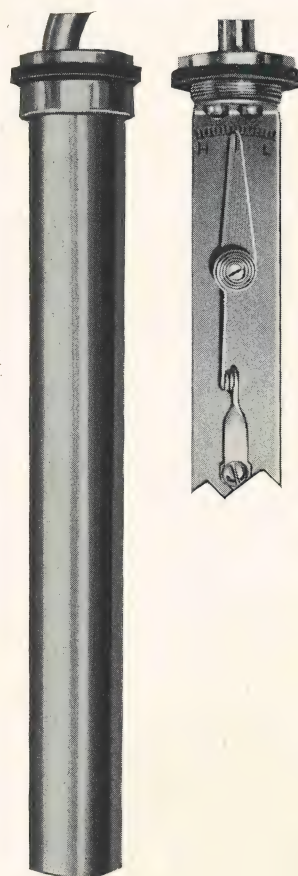
Cat. No.	
E1033B	G-E Refrigerated Water Cooler, Model TX, 115/230-volt, 60-cy. Approximate shipping weight 660 pounds.....\$850.00

NOTE: Coolers for other voltages and frequencies and for d.c. can be furnished on special order.



Model TX Refrigerated Water Cooler

THERMOSTATICALLY CONTROLLED TANK HEATERS



To keep solutions at proper working temperatures, night or day, nothing rivals these automatic thermostatic tank heaters with adjustable control. Available in two models, each is simple to use, economical, and easily set for any desired temperature within a wide range.

Made of brass, heavily chromium plated to resist action of photo-chemical solutions, the heater has a 24-inch stem which hooks over the tank rim. Thermostat is set at 68 degrees F. when shipped.

The 100-watt tank heater is recommended for use only in the developing solution container, excepting in the case of smaller sized tanks. It will maintain proper temperature of up to 15 gallons of developer.

For use in larger developing solution tanks, the 250-watt heater may also be placed in the wash water between solution inserts. With no water flowing, this heater will maintain temperature of wash water, developer, and fixer.

Cat. No.	
E1024C	Thermostatically Controlled Tank Heater, 100-watt, 110/120-volt\$ 17.50
	Excise tax. 1.05
E1024D	Thermostatically Controlled Tank Heater, 250-watt, 110/120-volt 20.00
	Excise Tax.. 1.20
E1024E	Thermostatically Controlled Tank Heater, 250-watt, 220/250-volt 24.00
	Excise Tax.. 1.60

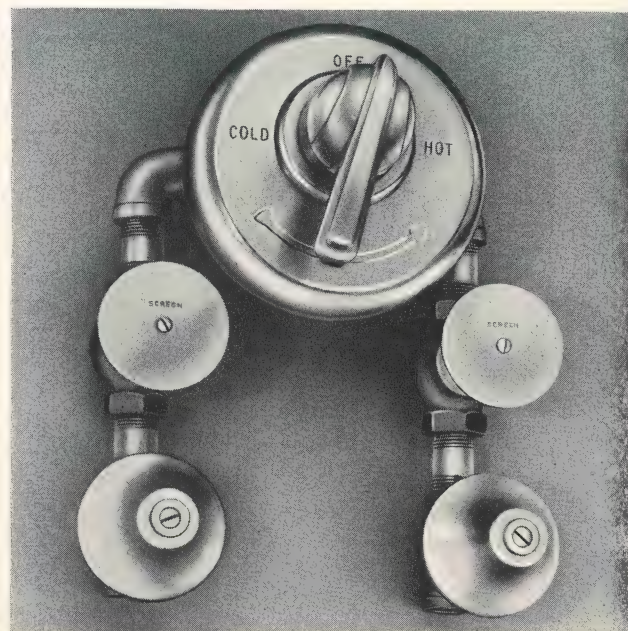
THERMOSTATIC MIXING VALVES AND VALVE ASSEMBLIES

Thermostatic Mixing Valves automatically mix hot and cold water and maintain constant temperature of the mixture regardless of reasonable temperature and pressure changes in the supply lines.

These valves are available in two styles—for exposed and concealed installations—and hold to very close delivery limits despite wide fluctuations in water supply pressure or temperature. Installation of either style assures constant developing tank temperature without time-consuming watching and checking. Maximum delivery flow of both models at 40 pounds line pressure is approximately 6 gallons per minute. Failure of either hot or cold water supply automatically shuts off flow to the tank. A liquid expansion thermostat is standard in either type valve. Supply and outlet connections are 1/2-inch Iron Pipe Size; external finish is polished chrome plate.

Prices subject to change without notice.

TYPE SC VALVE

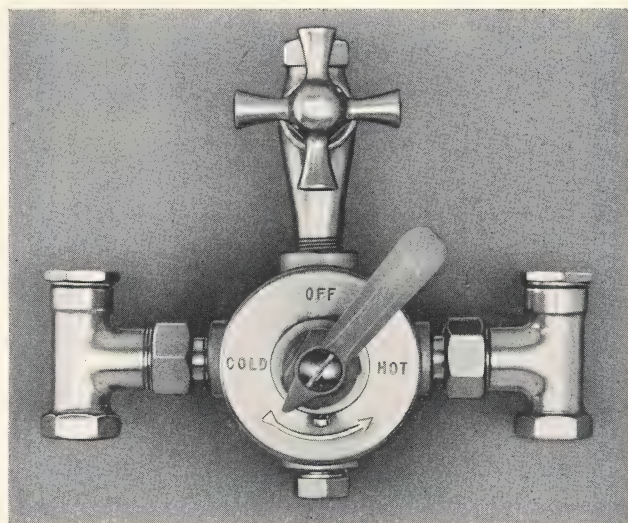


For Concealed Installation

Has built-in check valves and is supplied with one pair of external concealed mounting strainers.

Cat. No.	
E1011E	Thermostatic Mixing Valve Type SC, for concealed installation, complete with one pair of strainer tees...\$ 90.00

TYPE SE VALVE

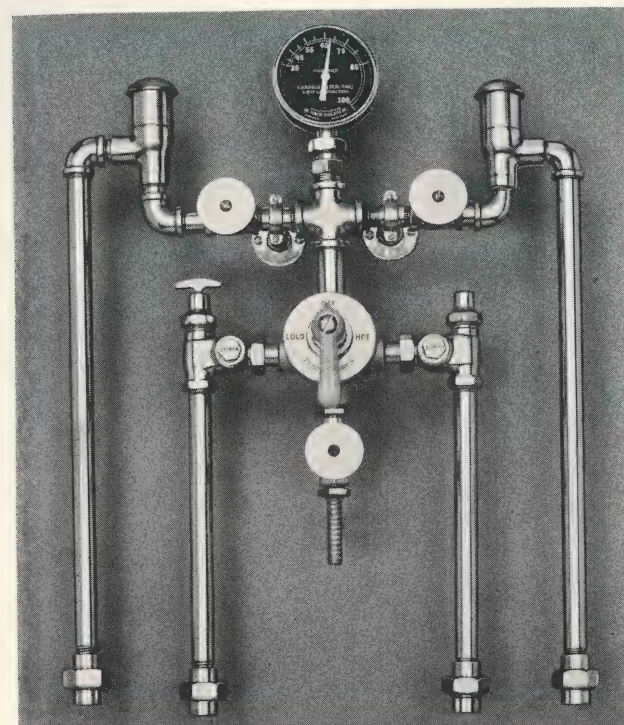


For Exposed Installations

This model has a built-in shut-off valve which works when the master valve is in "Off" position. Mixed water volume is controlled by an external control valve attachable to the discharge connection. One pair of external check-valve strainer tees is supplied with each SE valve.

Cat. No.	
E1011D	Thermostatic Mixing Valve Type SE, for exposed installation, complete with one pair union check valve strainer tees and volume control valve\$ 69.60

THERMOSTATIC MIXING VALVE ASSEMBLY



For Exposed Installations

This assembly is available in two models—one for use with one film-processing tank; the other for use with two tanks. Each model comes complete with a Type SE Thermostatic Mixing Valve, a dial thermometer, check stops, strainers, shut-off valves, vacuum breaker, utility outlet and all necessary interconnecting piping. Each unit also has the brackets necessary to mount the assembly on the wall and can easily be connected to the plumbing behind the tank. All of the assembly which is visible is chrome-plated, thus assuring long life and attractive appearance. If you should purchase the E1011F assembly which is for one tank, and later add a second tank, you will not have to take any loss. By ordering an S-448 part you can easily and inexpensively convert the E1011F to an E1011G, for use with two tanks.

Cat. No.	
E1011F	Thermostatic Mixing Valve Assembly for use with one tank\$156.00
E1011G	Thermostatic Mixing Valve Assembly for use with two tanks\$183.00

VACUUM BREAKER

Many cities' building codes require installation of vacuum breakers in water supply lines of any device with inlet levels below that of the water within.

Vacuum breakers are intended to prevent flow of water in the reverse direction. Applied to darkroom installations, they prevent water flowing into the house piping from the tank in case of sufficient pressure drop within the mains to cause siphoning.

This vacuum breaker is 1/2-inch Iron Pipe Size. It is well made of brass and chromium plated.

Cat. No.	
E1028B	Vacuum Breaker\$6.00

Prices subject to change without notice.

PROCESSING ROOM THERMOMETERS

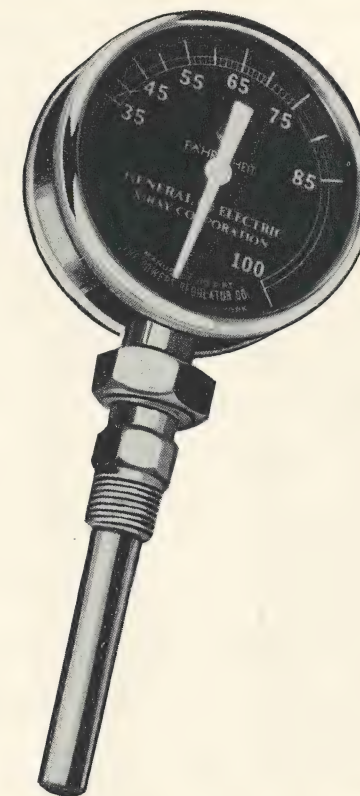
For correct x-ray film-processing, an accurate thermometer is a basic necessity. Without such an aid, controls cannot be made properly, even when automatic water supply systems are installed.

Most efficient method of determining temperature is a thermometer incorporated in the water-mixing system. G-E supplies two types of these thermometers—dial or capillary—two styles of each. Choice of type and style depends upon the installation proper.

Either the dial or capillary type is dependably accurate and sturdy. Either may be used in conjunction with G-E Thermostatic Mixing Valves or any mixing system.

A floating thermometer records solution temperatures only. It should be large enough to be read easily and weighted to prevent its floating on the surface and recording surface temperature only. It should not be housed in wood as wood absorbs old chemicals and contaminates new solutions.

DIAL THERMOMETER FOR EXPOSED PLUMBING



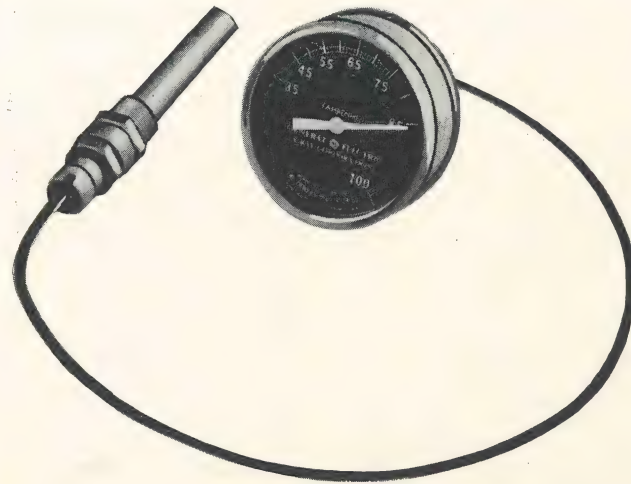
Accurate and direct reading, this thermometer's range is from 35 to 100 degrees F. Below 55 degrees scale readings show changes of 5 degrees, as 55, 50, 45, 40, 35. Above 55 degrees and up to 75 degrees scale readings are each one degree. There are three readings above 75 degrees—80, 85, and 100.

Scale readings and indicator are white on a black background—easy to read even under darkroom lighting.

Made of brass, chromium plated, with rigid copper stem. Moisture, dustproof, and rustproof.

Cat. No.	
E1012B	Dial Thermometer, vertical type, for exposed plumbing..\$24.00

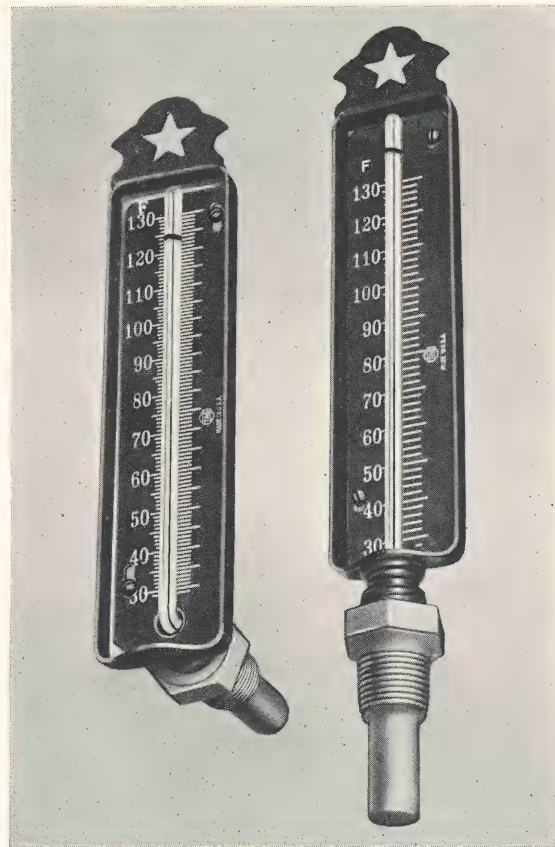
DIAL THERMOMETER FOR CONCEALED PLUMBING



Element actuating dial indicator is connected to this unit by a 30-inch flexible, tinned copper tube to permit mounting into the tank background.

Cat. No.
E1012G Dial Thermometer, remote type, for background mtg...\$36.00

CAPILLARY THERMOMETER

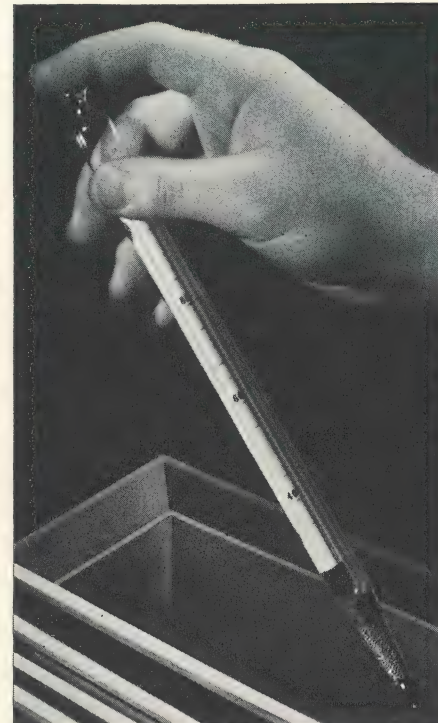


Persons wanting the cheapest in-the-line thermometer, will find the capillary, or *mercury-in-glass* type, a reliable guide. However, it responds less quickly to temperature changes and is not so easy to read as the dial type.

Cat. No.
E1012C Capillary Thermometer, straight\$ 7.00
E1012D Capillary Thermometer, right-angle 7.75

Prices subject to change without notice.

FLOATING THERMOMETER



Every radiologist and x-ray technician will find a floating thermometer a necessary additional check on solution temperatures. The G-E Floating Thermometer is designed expressly for darkroom use—is made of heavy, crystal-clear glass and not easily broken. Block-lettered numerals and characters are easily read in Safelight illumination. The newly designed liquid column is blue, easily distinguishable—and eliminates separation trouble.

Cat. No.
E1012J G-E Floating Thermometer, calibrated in developing time and degrees F. (Scale 30° to 100°) Made in the U.S.A.\$ 1.50

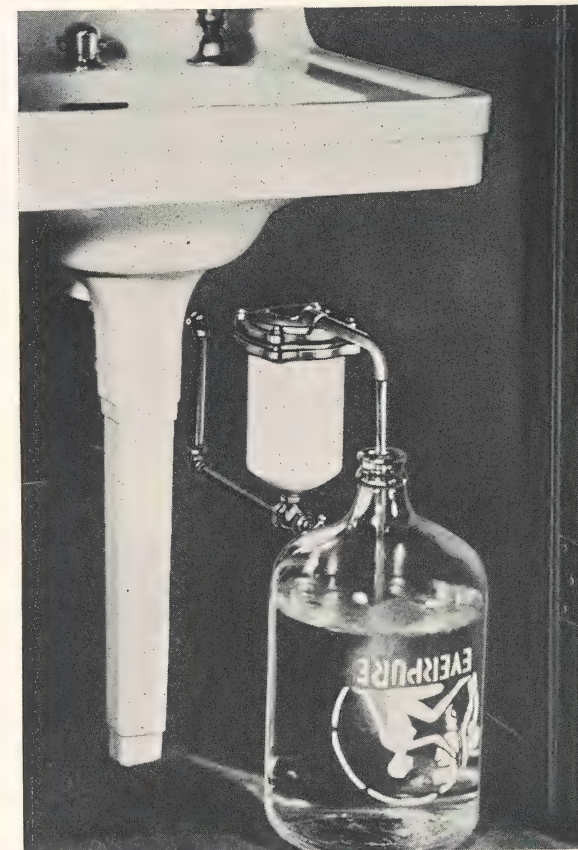
EVERPURE WATER PURIFIERS

An Everpure takes the bacteriologically safe city water delivered to you from your faucet by a closed pressure system, removes all chlorine, phenolic compounds, sand, algae, rust, colloidal matter, amoebic cysts, suspended material, color, taste and odor—and delivers it to you at full faucet flow. No chemicals are used so no soluble matter necessary to health is removed. Since the water is also clarified to a degree finer than commercially distilled water, you get water ideal both for drinking and for mixing film-processing solutions, washing films, mixing diagnostic opaques and many other specialized uses.

Everpures will not take dangerous water and make it safe, change chlorides in a solution, add anything to water, or soften water.

The Models 1-31 and 1-20 are the same size and capacity—under normal conditions will purify and clarify 500 to 700 gallons of water without replacing the re-charge cartridge. The Model 7 has approximately ten times this capacity or 5000 gallons. Everpure water, even when a cartridge is almost exhausted, remains just as pure. The rate of flow simply slows down. Then you renew the cartridge or powder—a short, simple, inexpensive routine matter.

MODEL 1-31



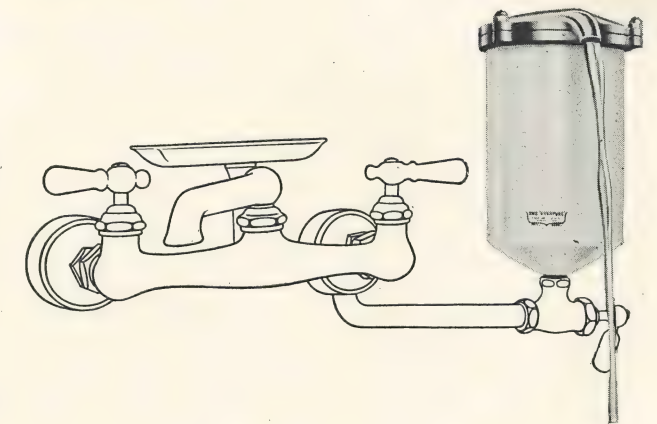
Bottle being filled with pure water from a Model 1-31 Everpure

Designed for installation under a sink or in a cold water line convenient for filling large bottles. Has a bronze tinned head, vitreous enameled steel shell and 6-inch spigot. 9 1/2 inches high, 5 inches in diameter, shipping weight 9 pounds.

Cat. No.
E1052A Everpure Water Purifier, Model 1-31\$ 30.00
E1053A Re-Charge Cartridge for Model 1-31 and 1-20 3.00

Prices subject to change without notice.

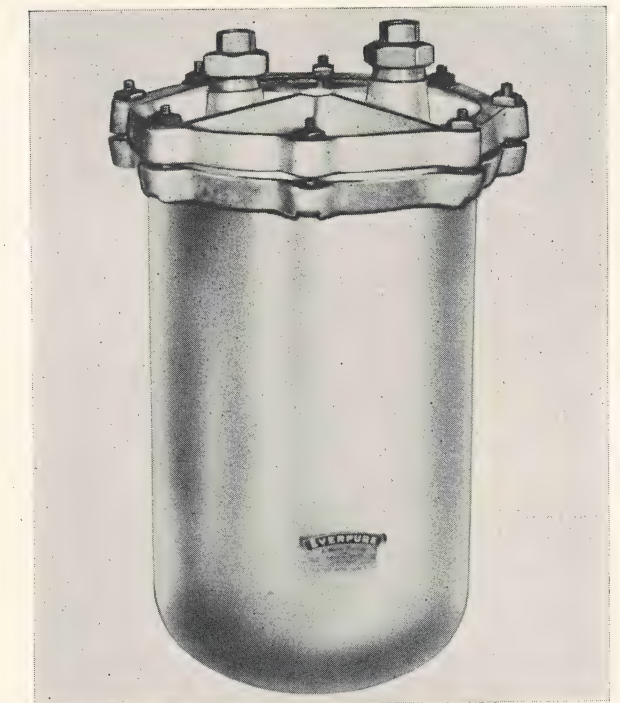
MODEL 1-20



Smartly styled for out-of-the-way sink mounting in modern laboratories—porcelain shell and chrome plated head. 9 1/2 inches high, 5 inches in diameter. Shipping weight 9 pounds.

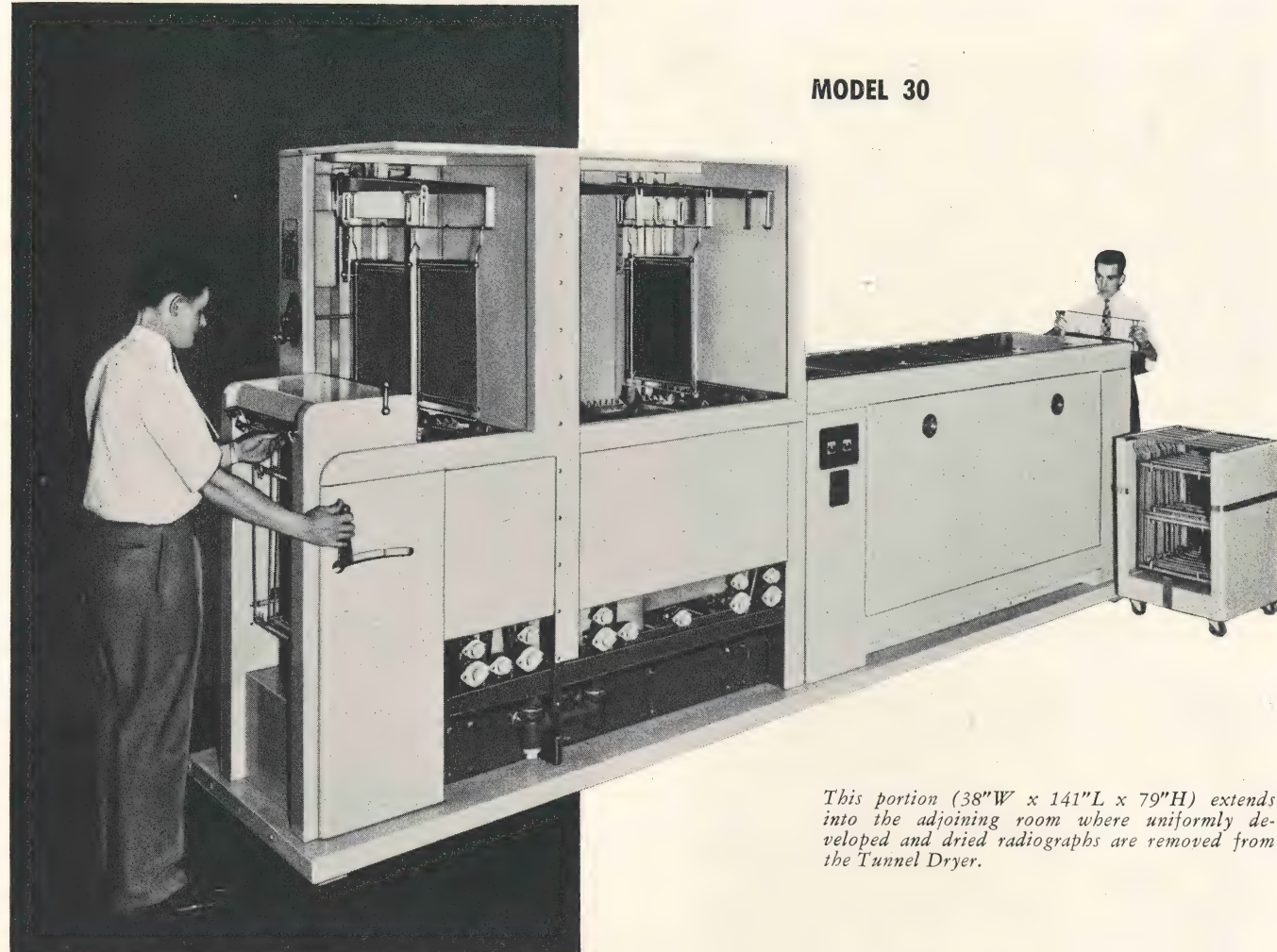
Cat. No.
E1052C Everpure Water Purifier, Model 1-20\$ 33.00
E1053A Re-Charge Cartridge for Model 1-20 and 1-31 3.00

MODEL 7



For in-the-line installation singly or—where an immense amount of purified, clarified water is needed—in parallel. Consists of vitreous enameled steel shell, bronze tinned head, permanent filter element, and powder charge. Has no spigot. Pure water delivered through faucets. 16 3/4 inches high, 10 1/2 inches in diameter. Shipping weight 35 pounds.

Cat. No.
E1052B Everpure Water Purifier Model 7.....\$ 80.00
E1053B Re-Charge Powder for Model 7, per can*..... 1.50
*10% discount on carton of 12

**MODEL 30**

This portion (38"W x 141"L x 79"H) extends into the adjoining room where uniformly developed and dried radiographs are removed from the Tunnel Dryer.

Only a fourth of the Model 30 Filmachine (38"W x 36"L x 79"H) is in the darkroom. Here the operator places Hangerettes loaded with exposed, undeveloped films in the Feeding Magazine.

PAKO X-RAY FILMACHINES

Model 30 — Model 14

Any x-ray laboratory taking 200 or more radiographs daily should investigate these two completely automatic film-processing machines. The Model 30 can uniformly develop and dry sixty films an hour—in all standard sizes up to and including 14 by 17—for as many hours as it is kept in operation. The Model 14 has twice that capacity.

A Filmachine makes possible amazing radiographic uniformity because it submerges and agitates each film for a pre-determined period in developer, stop bath, fixer and wetting agent and then dries and delivers it.

The Filmachine enables a hospital or radiologist to make intelligent use of technical skills. It was not meant to—and never will—replace x-ray technicians. It relieves them of tedious and time-consuming darkroom duties and releases them for full-time radiographic work.

Both Filmachines permit individual choice of developing time. The Model 30 permits a selection of any developing time in 1/2-minute steps from 2 1/2 minutes to 5; the Model 14 from 4 1/2 to 7 minutes.

Prices subject to change without notice.

Filmachines are amazingly economical. Either can be operated by one semi-skilled attendant and still leave her time for intermittent duties. Both machines operate from a 115-volt a-c source; the Model 30 using 5 kilowatts, the Model 14 using 7 kilowatts. Mechanical upkeep consists of an occasional lubrication. Both units have stainless steel solution tanks which assure long, economical service and get maximum use from all film-processing solutions.

There are two factors which will probably determine which unit you should have—volume and emergencies.

(1) Volume. If you feel 60 films an hour will fully satisfy present and future needs, investigate the Model 30. If your present volume and probable expansion indicate that you should provide for production between 60 and 120 films an hour, then the Model 14—or two Model 30 units—should be considered.

(2) Emergencies. If you feel it is absolutely essential that this unit provide for speedy viewing of emergency films, you'll want the Model 30. It has provision for emergency

**MODEL 14**

Hangerettes containing two 14 x 17" radiographs are removed by the attendant in room adjoining the darkroom. Here the Model 14 Filmachine occupies space only 34" wide, 97" long and 96" high.



See what a comparatively small space even this larger unit, the Model 14 Filmachine, takes in the darkroom . . . only 38 1/2" in width, 100" in length and a 98" height.

film to be put ahead of routine work so it can be viewed in daylight 3 1/2 minutes after leaving the developer.

Use of a Filmachine is the best, easiest, safest, surest and most economical way for a busy growing x-ray department to handle an immense and expanding quantity of film-

processing with minimum labor costs and yet produce radiographic quality seldom found in manual processing.

Investigate a Filmachine as a solution to your problem. Our branch offices have bulletins describing each unit and its accessories in detail, giving operational diagrams, suggested layouts and prices. Write for them.

Prices subject to change without notice.

FILM-PROCESSING ROOM ACCESSORIES



INTERVAL TIMERS

G-E LEVER-TYPE MECHANICAL INTERVAL TIMER

For timing x-ray films in process, laboratory procedures, in fact wherever accurate timing is a factor, the Lever-Type Interval Timer will prove indispensable.

This accurate instrument is housed in an all metal case — black or ivory finished—and times any interval from 15 seconds to 2 hours. Hands are set by means of a knurled knob which extends through the dial face; the winding screw and starting lever are at the back. Expiration of the pre-set time interval is signalled by a clear loud alarm. Large white figures against a jet black face assure easy reading under darkroom lighting. The Timer can be permanently mounted on a shelf by means of four screw holes in its base, or hung from a hook by means of the ring at the top.

- Cat. No.
C0011C G-E Lever-Type Mechanical Interval Timer, Black Finish.....\$ 8.25
C0011D G-E Lever-Type Mechanical Interval Timer, Ivory Finish..... 8.25

G-E INTERVAL TIMER

Compact and neat in design, this handy Timer is encased in a black composition housing and is unusually low-priced. Measures any time interval from 1 to 15 minutes; sounds a clear bell alarm at the interval's expiration.

Operation is simple . . . merely turn the pointer to that number on the dial representing the number of minutes you want timed. Each time the pointer is set the mechanism is wound suffi-



ciently for that interval to be measured. The first 5 minutes on the dial are marked for 1/2-minute intervals. This Interval Timer is accurate to within 5% plus or minus—will prove highly satisfactory in a wide range of applications.

- Cat. No.
C0011B G-E Interval Timer (timing range 0 to 15 minutes).....\$ 4.55

TELECHRON ELECTRIC WALL CLOCKS



Self-starting electric clock with Telechron motor, assuring quiet, long life. Surface-type, molded fiber case has a wrinkled statuary-bronze finish. Ideal for film-processing room walls as it is moisture-resistant. Metal dial, (12" or 15") finished in white, assures easy reading under darkroom lighting.

Prices subject to change without notice.

- Cat. No.
C0027A Telechron Electric Wall Clock, 12" dial, shipping weight 7 1/4 pounds\$ 11.95
Add excise tax of..... 2.39
C0027B Telechron Electric Wall Clock, 15" dial, shipping weight 9 pounds 16.95
Add excise tax of..... 3.39

IMPERMO MIXING PADDLES



Made of the same material all G-E tanks have been made of for over 20 years. They're lightweight — 1 pound 2 ounces each. They're strong—molded all in one piece with the shaft sloping into and reinforcing the blade. They're the right size — 31 1/2" long — to mix solutions in even a large tank and with a 2" blade that will fit into a 3-gallon insert. They're easy to clean—wash off like a dish. They're easy to use—the handle is shaped to fit the hand and knurled to give a firm grip. Perforations in the blade cut fluid resistance and facilitate mixing. They're easily identified by the words DEVELOPER and FIXER molded into the shafts. The hole in the handle permits each to be hung conveniently near its own tank. Barring accidents, they should last for years and years.

- Cat. No.
E1063A Impermo Paddles, one each DEVELOPER and FIXER, (shipping weight approximately 5 pounds) per pair\$ 5.00

DURALON APRON



White and semi-transparent, this durable, oil- and water-repellent apron is strongly made with hemmed edges. Tie strings are white tape. Length is 42". Approximate weight of this garment is 4 ounces. It is easily washed off with soap and water.

- Cat. No.
E1022E Duralon Processing Room Apron\$ 2.75

SLEEVE PROTECTORS

These useful protectors are made of the same fine material as the E1022E Apron. Elastic tops and adjustable snap-fastened wrists provide complete protection and a neat appearance.

- Cat. No.
E1022D Processing Room Sleeve Protectors, per pair.....\$ 1.50

RUBYLITE

Rubylite is an especially compounded liquid wall finish for film-processing and fluoroscopic rooms. Its use will greatly increase safe visibility in the darkroom. In the fluoroscopic room Rubylite is particularly valuable as a means of avoiding eye-shock and less-



ening the time of eye accommodation. It also lends a bright and cheery tone. Economy as well as the visual aid it furnishes is responsible for the rapidly increasing use of Rubylite. It has unusual wearing qualities and retains its gloss after repeated washings. Rubylite goes far, too—one quart being sufficient to cover 100 square feet of well surface. A soft coral color.

- Cat. No.
E1025A Rubylite, per 1-qt. can.....\$ 2.25
Rubylite, per gal. (4 1-qt. cans) 8.00

TANK CLEANING BRUSH



Stained and unclean negatives can often be avoided by carefully removing chemical deposits from solution tanks when solutions are changed. Merely rinsing the tank after the old solution has been poured out is not enough. The tank should be scrubbed and this brush, with its 24 1/2" long handle and stiff bristles is designed especially to insure thorough cleansing, even in the corners. Brush 5" x 2 1/4"

- Cat. No.
E1023A Tank Cleaning Brush.....\$ 2.45

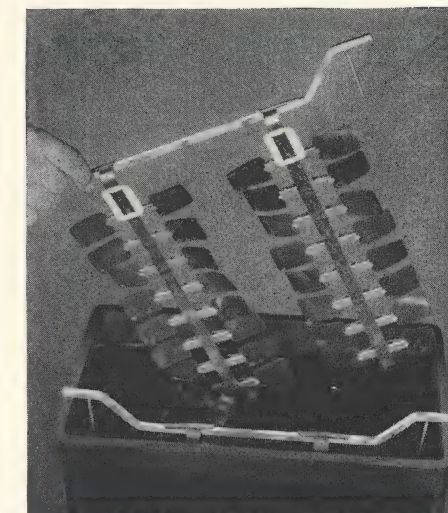
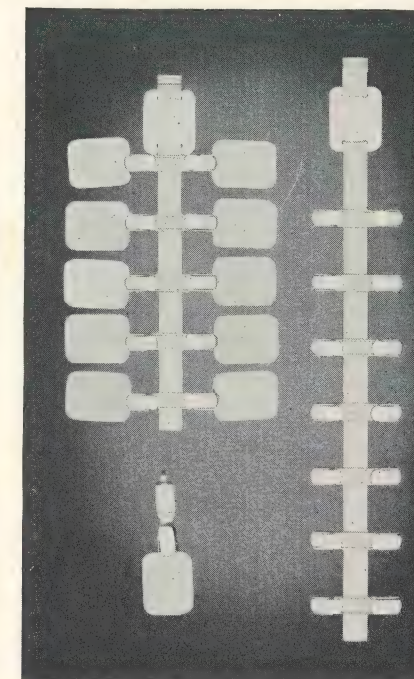
DENTAL FILM DEVELOPING HANGERS

These stainless steel, all-welded hangers are built for maximum convenience and heavy service. They are made in two styles: one for the vertical type tank, and one for the horizontal. A cross bar on the horizontal type hanger

Prices subject to change without notice.

FILM-PROCESSING ROOM ACCESSORIES

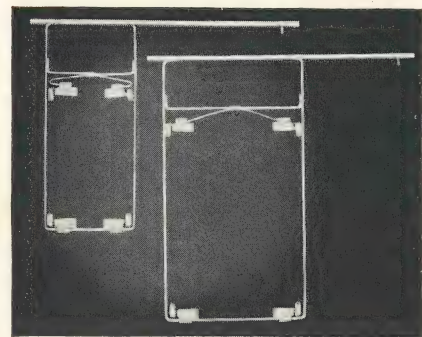
prevents films from being crushed against the sides of the tank.



Cross Bar Holder E1043A, accommodating two 16-film hangers E1014E—shown in use.

- Cat. No.
E1014A To hold 1 Film. Fits any tank. Per doz.\$ 1.10
E1014B To Hold 10 Films. For any tank except E1002B 1.25
E1014C To Hold 10 Films. For E1002B Tank 1.25
E1014D To Hold 14 Films. For any tank except E1002B 1.50
E1014E To Hold 16 Films. For any tank except E1002B 1.75
E1014F To Hold 16 Films. For E1002B Tank 3.25
E1043A Cross Bar Holder, to accommodate 2 dental film hangers of any type except E1014F.. 3.00

X-RAY FILM
DEVELOPING HANGERS



Made entirely of non-corrosive metal, these hangers are designed for most advantageous use with modern film-processing tanks. Built to last, accidental bending of the frames is precluded by the unusually strong metal used in their construction. Each corner is equipped with a firm-gripping clip which holds the film tautly in the correct position.*

Cat. No.	
E1013A	5"x7"\$ 1.50
E1013U	5"x7" (portrait type) for E1002B Tank90
E1013C	6 1/2"x8 1/2" 1.50
E1013J	7"x17" 1.75
E1013D	8"x17", for E1002B Tank..... 1.00
E1013E	8"x10" 1.50
E1013F	10"x12" 1.75
E1013G	11"x14" 1.85
E1013H	14"x17" 2.00

*Except E1013U and E1013D.

KODAK
ELECTRIC MIXERS

Here is a new product that will be extremely useful to institutions mixing such large volumes of film-processing chemicals that the use of mixing paddles is not practical.

The Mixer consists of a 115-volt a-c motor fitted with shaft and propeller. The motor housing has a clamp for mounting the unit on a tank or independent support.

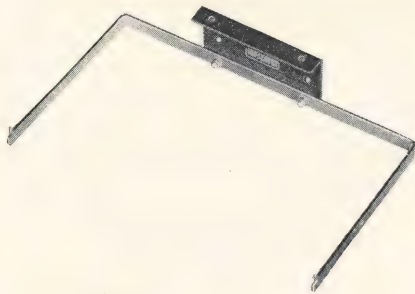
MODEL 1, suitable for mixing volumes from 1 to 15 gallons, has a 1/30 horsepower motor, 12-inch shaft and 2-inch propeller. An accessory 18-inch shaft and additional 2-inch propeller are available for use with deep containers. A small 1-inch propeller is also available for use in mixing in extremely small containers.



MODEL 2, is suitable for mixing 10 to 100 gallons, has a 1/8 horsepower motor, 28-inch shaft, and 2 3/4-inch propeller.

Cat. No.	
E1068A	Kodak Electric Mixer Model 1, with 12" shaft and 2" propeller\$ 60.00
E1068B	18" Shaft for Model 1 Kodak Electric Mixer 3.75
E1068C	1" Propeller for Model 1 Kodak Electric Mixer 5.00
E1068D	2" Propeller for Model 1 Kodak Electric Mixer 5.00
E1069A	Kodak Electric Mixer Model 2, with 28" shaft and 2 3/4" propeller 175.00

STORAGE RACK
FOR FILM HANGERS



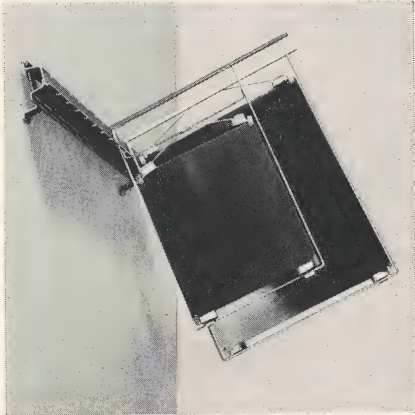
One or several of these racks will help greatly in keeping your darkroom neat and orderly. This new all-metal rack has an advantage over former models in that it can either be mounted on the wall or under a loading bench or shelf.

Prices subject to change without notice.

Two chrome-plated arms project outward from a metal mounting plate finished in black wrinkle. These arms will hold 25 standard developing hangers up to and including 14 x 17". Overall dimensions are 14 5/8" wide, 3 1/8" high and 8 3/4" from front to back. Net weight 2 pounds; shipping weight approximately 3 pounds.

Cat. No.	
E1067A	Film Hanger Storage Rack...\$ 4.00

FILM DRYING RACK



This wall-mounted film drying rack has two small brackets secured to the back to permit installing the rack at an angle of approximately 30 degrees. This feature directs drainage of wet films into the tank or a sink, eliminating messy floors and unsightly wall stains. Capacity is 12 film hangers, any size. Made of all-metal, finished in black. Occupies wall space 2 1/2" x 21". Approximate shipping weight: 6 lbs.

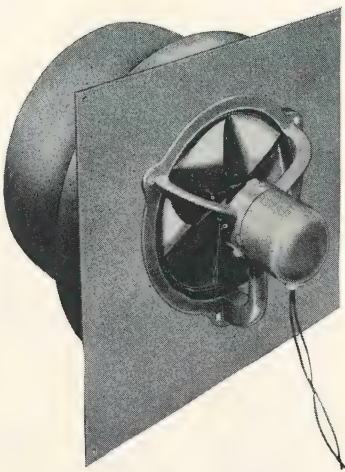
Cat. No.	
E1016A	Film-Drying Rack\$ 4.75

LIGHT-PROOF MOTOR-
DRIVEN VENTILATORS

Proper ventilation assures faster film drying and greater comfort for patients, doctors and technicians. G-E Light-Proof Motor-Driven Ventilators provide that ventilation, for a single room or several rooms, practicably and economically. Models are listed by their cfm (cubic feet per minute) capacities.

450 CFM UNIT

The 450 cfm Ventilator will change the air in a 9 x 10 x 10 foot room every two minutes. It has a 10-inch fan,



operating at 1550 rpm, with 40 watts input. The mounting plates are approximately 18 5/8 inches square. The fan is installed through a circular opening 18 5/16 inches in diameter and has an overall depth of approximately 15 inches.

Cat. No.	
E1037D	450 cfm capacity, 110/120-v, 25-, 30-, 40-, 50- or 60-cy, or dc (specify dc or ac and frequency)\$ 91.46
	Add excise tax 4.12

Cat. No.	
E1037E	450 cfm capacity, 220/230-v, 25-, 30-, 40-, 50- or 60-cy, or dc (specify dc or ac and frequency) 91.46
	Add excise tax 4.12

750 CFM UNIT

The 750 cfm ventilator will change the air in a 15 x 10 x 10-foot room every two minutes. It has a 12-inch fan operating at 1140 rpm, with 70 watts input. The mounting plate occupies a wall space 22 inches square.

The ventilator is installed through a circular opening 21 1/2 inches in diameter and has an overall depth of approximately 20 inches.

Cat. No.	
E1037F	750 cfm capacity, 110/120-v, 50- or 60-cy (specify frequency)\$ 113.30
	Add excise tax 5.10

Cat. No.	
E1037G	750 cfm capacity, 110/120-v, 25-, 30-, or 40-cy, or dc (specify dc or ac and frequency) 124.90
	Add excise tax 5.62

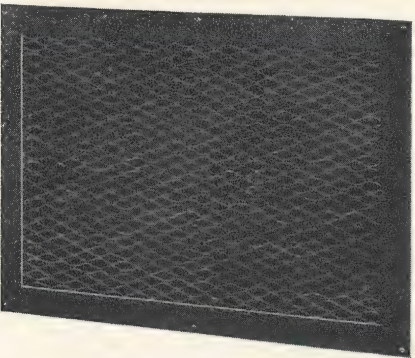
Cat. No.	
E1037H	750 cfm capacity, 220/230v, 50-, or 60-cy (specify frequency) 113.30
	Add excise tax 5.10

MOTORLESS LIGHT-
PROOF VENTILATOR

Can be used with complete safety in all film-processing or fluoroscopic rooms. It is adaptable to wooden or metal doors of any thickness and is



Grille for Light-Proof Ventilator.



easily installed. Made of heavy terne plate, finished in black laquer enamel, it is 2 1/2 inches thick, is mounted through an opening 12" x 24", and has a flange approximately an inch wide. Flange dimensions: 13 1/4" x 25 1/2". When mounted in a door exceeding one-inch thickness, or in a wall where a finished appearance is desired on the opposite side, a decorative grille may be used. This grille should be ordered separately.

Cat. No.	
E1037A	Light-Proof Ventilator\$ 20.00
E1038A	Grille for use with E1037A... 4.00

G-E VERTICAL
FILM DRYERS

Where darkroom volume is heavy or speed is essential, a film dryer speeds up what is otherwise the slowest step in film processing.

G-E Vertical Film Dryers are designed to operate quietly, economically, and without overheating. Both Single- and Double-Door models dry films quickly and uniformly—incorporate the following features of real importance to the prospective user:

Compact. Vertical design minimizes floor space required, without sacrificing capacity—facilitates insertion and removal of films.

Prices subject to change without notice.

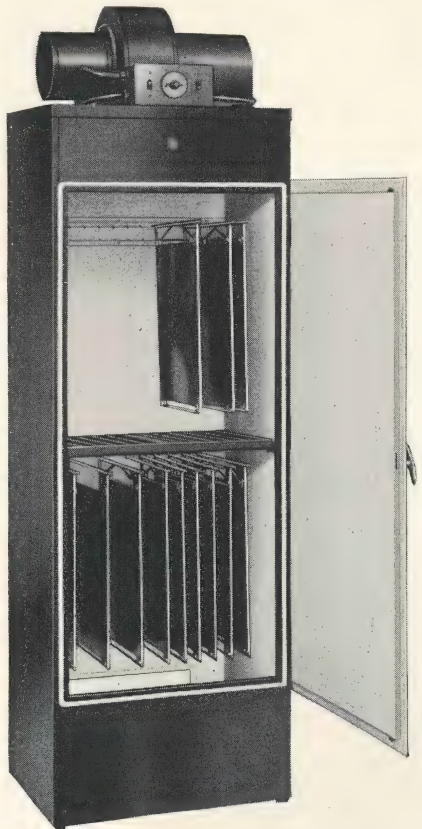
Blower May Be Operated Without Heater. The centrifugal-fan blower and heater are mounted on top of the cabinet—the heater situated over the blower intake. Heater is not operable without the blower, thus eliminating the danger of burning out the heater. If desired, however, blower is independently operable — operator may select between heated or unheated air circulation through the cabinet.

Interior Illumination. Interiors are white and equipped with a neon glow light which gives adequate safe visibility, to overcome the disadvantages of working "in the dark".

An Automatic Timer permits setting the dryer for operation at any desired period of time from 1 to 55 minutes, or continuous operation until turned off.

Uniform Air Circulation is obtained by a square port, fitted with distributing baffle, through which the air is blown through the cabinet. This assures an even drying of films. Exhaust air exits through a lower-rear rectangular vent which, should conditions necessitate, may be connected to an exhaust duct.

Rust-Resisting. Of all-steel construction, spot-welded, treated to retard corrosion, and mounted on four small legs to facilitate circulation underneath, these dryers are well fortified against rusting. As an additional pre-



G-E Vertical Single-Door Film Dryer.

caution, a rubber mat is cemented to the bottom and extends partially up the inside walls of the cabinet.

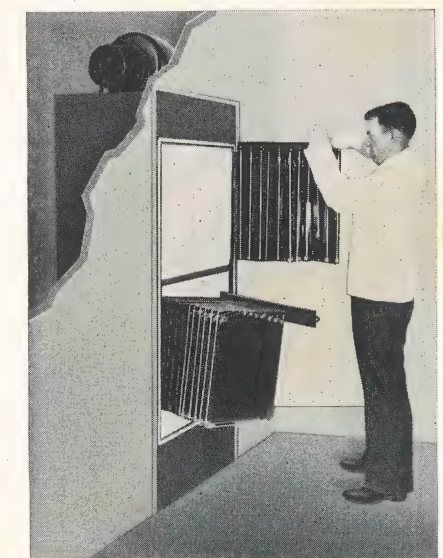
24-Film Capacity. All sizes of film hangers, up to and including the 14 by 17-inch size, may be used with these dryers—twelve in each compartment. A replaceable hinged drip tray between the compartments diverts drainage from the upper tier of films between those suspended below. Films are quickly and easily suspended, one end of the hanger being held firmly in a notch of the hanger rack at the back wall of the cabinet.

The Single-Door Dryer occupies a floor space approximately 24 $\frac{3}{4}$ " wide and 19 $\frac{3}{4}$ " deep. It is 70 $\frac{1}{2}$ " high exclusive of the blower mechanism; 81 $\frac{3}{4}$ " overall. The one door is located on one of the 24 $\frac{3}{4}$ " sides. Four 1-inch steel legs support the dryer to permit air circulation and the maintenance of cleanliness underneath.

Cat. No.

E1017A	Single-Door Film Dryer (door hinged at right when facing dryer, but left side drilled and tapped to permit reversal); specify exact voltage and frequency	\$ 305.00
T1043B	Hanger Rack for E1017A....	6.00
T1044B	Drip Tray for E1017A.....	6.00

The Double-Door Dryer is designed to be mounted in the wall between the film-processing room and x-ray room, with a door opening into each room. These doors are so interlocked that only one can be opened at a time. The dryer extends out into the one room. On the other side it is flush with the wall, a 2-inch angle-iron trim



G-E Vertical Double-Door Film Dryer.

covering the wall opening. (Note in the catalog listings below that this unit is available with the doors hinged either on the left or on the right when facing them from the darkroom side. Be sure to specify by catalog number the door opening you desire)

Cat. No.

E1017B	Double-Door Film Dryer (hinged on the left on darkroom side and at right on viewing room side when facing dryer)	\$ 490.00
E1017C	Double-Door Film Dryer (hinged at right on darkroom side and at left on viewing room side when facing dryer)	490.00

Note: Racks and drip trays are available for E1017B and C Dryers. Prices on request.

The following accessories are used on E1017A, B & C Dryers:

Cat. No.

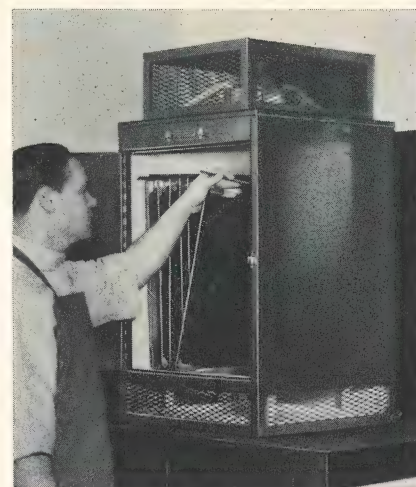
T0129A	Automatic Time Switch.....	\$ 6.00
T0145C	Heater Element, 110/120-v, 1000 watts	7.25
	for 2000 watts add.....	2.00
T0145D	Heater Element, 220/230-v, 1000 watts	7.25
	for 2000 watts add.....	2.00
E1044B	Mazda Lamp, Red, 7.5-watt, 115-v	.11
E1044E	Mazda Lamp, Red, 10-watt, 230-v	.50

G-E MODEL D FILM DRYER

**12-Film Capacity
For Bench, Table,
Or Wall Mounting**

This neat, compact unit is especially suitable for small darkrooms where space or average daily volume of work is limited. The ventilating principle is the same as that used so successfully in larger G-E Film Dryers—air is taken in at the top, blown down through the dryer, and exhausted near the bottom. The blower can be operated independently; the heater cannot. This protects the heater from burning out. The Model D has a reversible door, replaceable drip pan, and is attractively finished in olive green. The interior is white laquer over a suitable primer. Construction is steel through out. No installation is required other than plugging into the light circuit. Over-

Prices subject to change without notice.



all dimensions are 21 $\frac{3}{4}$ " wide, 17 $\frac{1}{2}$ " deep and 37 $\frac{1}{8}$ " high. Net weight 78 pounds; shipping weight approx. 100 pounds.

Cat. No.

E1042A	Model D Film Dryer, 110/-120-v., 60-cy.	\$115.00
E1042B	Model D Film Dryer, 220/-230-v., 60-cy.	120.00
E1042C	Model D Film Dryer, 110/-120-v., 50-cy.	125.00
E1042D	Model D Film Dryer, 220/-230-v., 50-cy.	130.00
E1042E	Model D Film Dryer, 110/-120-v., d.c.	130.00
E1042F	Model D Film Dryer, 110/-120-v., 25-cy.	140.00
T0143A	Hanger Rack for Model D Film Dryer	4.25
T0144A	Drip Pan for Model D Film Dryer	2.50
T0145A	Heater Element for Model D Film Dryer (specify line voltage)	7.25

G-E AIR FILTER



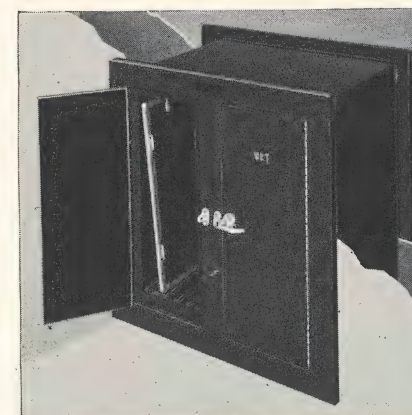
Installed on the intake of any E1017 series Vertical Film Dryer, this filter effectively solves the problems occasioned by dust drawn in with the air during the drying process. Its use prevents dust particles from settling on moist emulsions—results in smoother surfaced films. Labyrinthed air passages permit adequate circulation even

after the maximum amount of dust has been trapped; top drying efficiency is maintained and burning out of the heater element is averted. The G-E Air Filter is quickly and easily installed—requires no attention aside from a simple but regular cleaning—will last for years.

Cat. No.

E1057A	G-E Film Dryer Air Filter for use with E1017 series Film Dryers, complete with adapter ring and gasket	\$ 35.00
--------	--	----------

G-E ALL-STEEL CASSETTE PASS BOX



Designed to fit into the wall between the x-ray room and the darkroom, G-E's new all-steel cassette pass box saves time and effort by making direct passage of cassettes possible.

The pass box contains two compartments with doors labeled "Unexposed" and "Exposed". The "Unexposed" compartment receives cassettes with unexposed film, the "Exposed" compartment cassettes with exposed film. Inside of each compartment is 1/16-inch sheet lead-lined—lead extends into the front flange so that when the box is mounted its lining overlaps the lining in the wall. Each compartment bottom is slotted to facilitate passage of cassettes.

Compartment doors are hinged at the outside edges, with center catches. Thus all doors open fully, regardless of the position of walls and other equipment, on installation. All doors interlock: light cannot accidentally enter the darkroom.

Constructed entirely of steel, the G-E Cassette Pass Box is attractively finished in olive green.

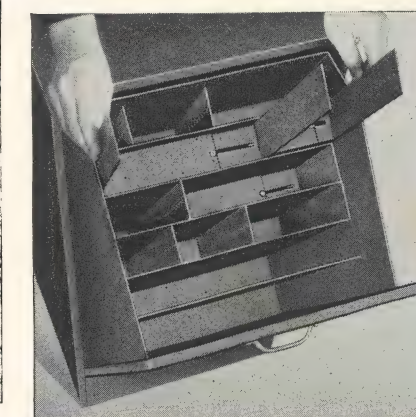
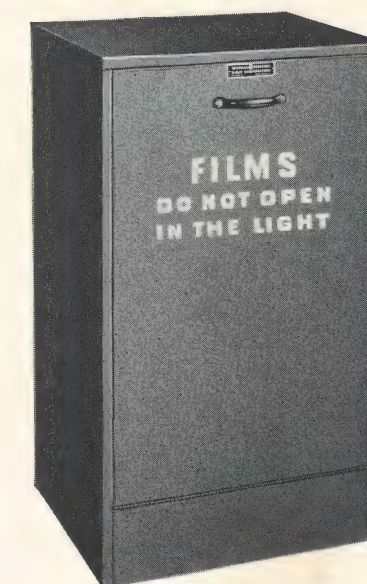
Dimensions: The cassette pass box fits a wall opening 24 $\frac{5}{8}$ " by 22 $\frac{7}{8}$ ". (Top and bottom are fitted with perforated

steel strap to facilitate rigid mounting in the wall.) From the back of the front flange the cassette pass box is 17 $\frac{1}{2}$ " deep. Dimensions of the front and flange are 26 $\frac{1}{2}$ " high by 24 $\frac{3}{4}$ " wide.

Cat. No.

E3010A	All-Steel Cassette Pass Box..	\$160.00
--------	-------------------------------	----------

ADAPTOSIZE X-RAY FILM BIN



Interior view of the G-E Adaptosize X-Ray Film Bin showing method of inserting adaptors into the compartments.

Compartment doors of the Adaptosize x-ray film storage bin can, by means of adaptors, be arranged to suit the individual requirements or preference of the user.

Each of the 6 compartments is built basically for 14" by 17" film cartons. It will therefore accommodate up to 6 cartons of 6-dozen 14" by 17" films. To accommodate other sizes of films, cartons a full set of easily adjustable

Prices subject to change without notice.

adaptors is provided. This permits arrangement of many combinations of different sized films. Bin space is more economically utilized—compartments can be kept fully loaded—carton tops are maintained at a convenient level—the nuisance of cartons falling on their sides is eliminated.

All-metal and provided with a dependable light trap, the bin is finished in olive-green. The door is fitted with a full-width piano hinge for strength and improved appearance. Provision is made in the back wall for installing a G-E Limit Switch. This automatically shuts off the white light in the film-processing room when the bin is opened.

Dimensions are 32 $\frac{9}{16}$ " high, 18 $\frac{3}{8}$ " wide, and 16 $\frac{3}{4}$ " deep. Bin may be located under a loading bench whose lower side is 33" or more from the floor. Two brackets on the back permit fastening bin to the floor if desired.

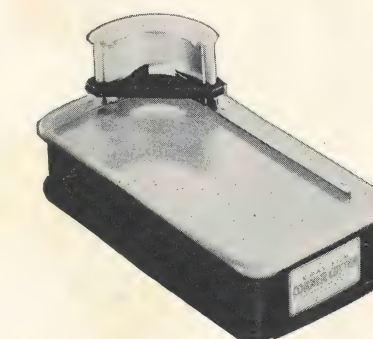
Cat. No.

E1056A	G-E Adaptosize All-Metal X-Ray Film Storage Bin, complete with one set of adaptors \$	60.00
E1021B	G-E Limit Switch	7.50

FILM CORNER CUTTERS

A film corner cutter to meet any need is offered in the three models carried in our regular line. Each has a shielded, self-sharpening knife and guide strips to insure uniform cutting. Each is provided with a receptacle to catch clippings. All are designed to stand up under hard usage and cut corners to 1 $\frac{1}{2}$ -inch radius.

EASTMAN FILM CORNER CUTTER



This is a light-weight unit especially suitable for use on desk or loading bench. Occupies only 5 by 9 $\frac{3}{8}$ inches of space. Approximate shipping weight: 12 pounds.

Cat. No.

E8018A	Eastman Film Corner Cutter..	\$ 11.00
--------	------------------------------	----------

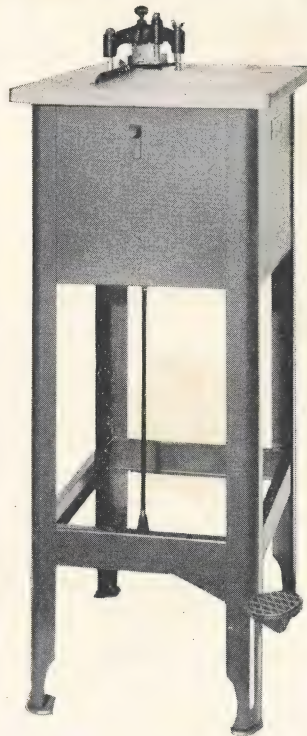
PORTABLE DESK MODEL
FILM CORNER CUTTER



Built for heavier duty, this portable desk model is ideal for hospital and industrial use. Handle leverage assures easier cutting action. An extension shelf aids in supporting films while cutting. Space requirements are only 7 by 9 3/8 inches. Approximate shipping weight: 14 pounds.

Cat. No.
E8026A Portable Desk Model Film Corner Cutter\$ 24.00

HEAVY-DUTY FLOOR-STAND
FILM CORNER CUTTER

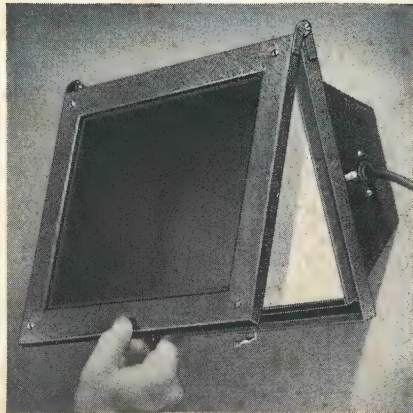


Designed expressly for extra heavy duty, this cutter fills a definite need for large hospitals, and medical and industrial laboratories. Cutter is operated by a foot pedal, leaving both hands

free for handling of film or other use. Large quantities of film can be cut at one time, with minimum exertion. Table surface is ample to support all types of film. Overall dimensions are 35 inches high by 15 inches square. Approximate shipping weight: 40 pounds.

Cat. No.
E8026B Heavy Duty Floor-Stand Film Corner Cutter\$ 49.00

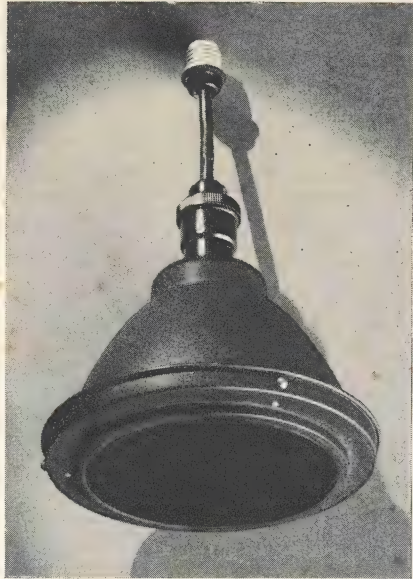
SAFELIGHTS



G-E Combination Safelight is furnished complete with bulb, an on-and-off switch, and a 6-foot connecting cord.

Cat. No.
E1018C G-E Combination Safelight, 115-volt\$ 24.50
E1018D G-E Combination Safelight, 230-volt 24.50
E1030B 8"x10" Series 6B Filter, for E1018C or D 1.35

G-E CEILING SAFELIGHT



An exceptional quantity and quality of safe illumination for either film processing or fluoroscopy is provided by this light's special type reflector. Tests have proved that newsprint is readable in the greatly increased illumination it provides. The high quality filter incorporated in this unit gives positive assurance against accidental fogging of film by leakage of white light. Each G-E Ceiling Safelight is furnished with a 115-volt bulb.

Cat. No.
E1019A G-E Ceiling Safelight\$ 13.25
E1031A 6 3/4" Amber Circular Filter for E1019 1.75
E1051B Mazda Lamp for E1019A10

G-E WALL-MOUNTING SAFELIGHT

This economical Safelight offers many advantages usually found only in much higher priced lamps. It provides ample safe illumination for easy, comfortable working. Wall-mountable, its swivel-joint assures a wide positioning range. Made of metal, finished in black, the G-E Wall-Mounting Safelight is very durable and will not rust or warp. Complete unit includes wall-mounting bracket, cord, and one 115-volt, 7.5-watt clear glass lamp.

Cat. No.
E1020A G-E Wall-Mounting Safelight..\$ 6.50
E1032B Plastic Molded Filter for E1020A 1.05
E1051C Mazda Lamp for E1020A..... .15

G-E COMBINATION SAFELIGHT

This dual-purpose unit serves as an effective Safelight, or—with one simple adjustment—an excellent illuminator. Viewing area is 8 by 10 inches, permitting viewing of wet films without leaving the darkroom. This feature makes immediate retakes possible, when necessary. By means of a "knockout" in the lamp housing, connection can be made into the circuit through solid or flexible conduit. The

Prices subject to change without notice.

G-E LIGHT-PROOF SHADES

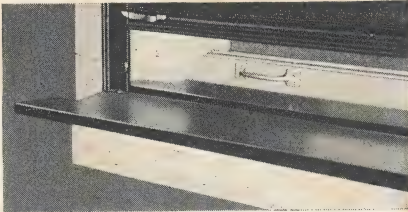
G-E Light-Proof Shades are recommended for all rooms where it is necessary to have complete darkness and at the same time maintain adequate ventilation. Attractive, long-wearing and completely dependable, these shades have been approved by leading radiologists and hospital superintendents the world over.

The Light-Proof Shade may be installed on any type window. Its simple operating mechanism assures durability and ease of operation. Expert cutting of the cloth precludes fabric sagging. The fabric is treated to prevent damage by sunlight and retains its pliability under all weather conditions. The headcase incorporates a ventilator to equalize the air pressure between the sash and window. Bushings are bronze; housings are rust-resistant metal. The complete shade unit consists of a roller box with roller, side guides, sill strip, and opaque shade with latches. A false sill is required when the window recess is so shallow that face mounting is necessary.

It is of vital importance to give a number of measurements to the 1/16-inch exact, when actually ordering shades or requesting quotations. We have provided a form with special instructions for taking window measurements. It is Pub. 4E-1164A and will gladly be sent on request.

Prices for standard sizes are given below, and will give you an idea of the approximate cost of the shades you will need.

Cat. No.
E1046A G-E Light-Proof Shade ...inches high ...wide
E1046B False Sill ...inches wide.



Close-up of False Sill, required when shades must be face-mounted.

G-E Light-Proof Shades provide complete darkness and adequate ventilation.

HEIGHT	WIDTH										
	32"	35"	40"	44"	48"	52"	56"	60"	64"	68"	72"
36 in.	\$32.00	\$34.00	\$36.00	\$38.00	\$40.00	\$42.00					
42 in.	33.00	35.00	37.00	39.00	41.00	43.00	\$47.00				
48 in.	34.00	36.00	38.00	40.00	42.00	44.00	50.00	\$53.00			
54 in.	36.00	38.00	40.00	42.00	44.00	47.00	53.00	56.00	\$59.00		
60 in.	38.00	40.00	42.00	44.00	47.00	50.00	56.00	59.00	62.00	\$68.00	\$73.00
66 in.	40.00	42.00	44.00	47.00	50.00	53.00	59.00	62.00	66.00	72.00	77.00
72 in.	42.00	44.00	47.00	50.00	53.00	56.00	62.00	66.00	70.00	76.00	81.00
78 in.	44.00	47.00	50.00	53.00	56.00	59.00	66.00	70.00	74.00	80.00	85.00
84 in.	46.00	50.00	53.00	56.00	59.00	63.00	70.00	74.00	78.00	86.00	90.00
90 in.	49.00	53.00	56.00	59.00	63.00	67.00	74.00	78.00	82.00	91.00	95.00
96 in.	52.00	56.00	59.00	63.00	67.00	71.00	78.00	82.00	86.00	96.00	100.00
102 in.	55.00	59.00	63.00	67.00	71.00	75.00	82.00	86.00	90.00	101.00	105.00
108 in.	58.00	63.00	67.00	71.00	75.00	79.00	86.00	90.00	94.00	106.00	111.00
114 in.		67.00	71.00	75.00	79.00	83.00	90.00	94.00	99.00	111.00	117.00
120 in.			75.00	79.00	83.00	87.00	94.00	99.00	105.00	117.00	124.00
126 in.				83.00	87.00	91.00	99.00	105.00	111.00	124.00	131.00
132 in.					91.00	96.00	105.00	111.00	117.00	131.00	138.00
138 in.						101.00	111.00	117.00	123.00	138.00	145.00
144 in.						106.00	117.00	123.00	130.00	145.00	153.00
False Sill	2.20	2.60	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00

NOTE: To determine the price of special sized shades use price of standard size next larger than special size. For example: Shade width 33", height 37". Use price of \$35.00 for shade 36" wide and 42" long. Prices do not include installation.

Prices subject to change without notice.

X-RAY FILM FILES • NEGATIVE PRESERVERS • MAILERS

FILM-FILING CABINETS

4-DRAWER CABINET

This sturdy all-steel cabinet is built specially to stand up under the load of a large quantity of negatives. Drawer fronts are reinforced, and there is a bracing partition between the drawers. Ball-and-roller bearings assure easy drawer operation under heavy film loads. Capacity of each large drawer is approximately 650 negatives in preservers. The smaller top drawer provides a convenient temporary place for films until ready for filing. Each drawer is equipped with automatic catches; a single lock serves all four drawers. Four permanent vertical partitions distribute the weight of the films and keep them from sliding down in the drawer. Overall dimensions: 55¾ inches high, 26½ inches deep, 21 inches wide; large drawer, 14½ inches high, 25 inches deep, 17½ inches wide. Small drawer is 2 inches high.

Cat. No.

E2001A 4-Drawer Film-Filing Cabinet, with automatic drawer catches and lock, olive green finish.....\$ 95.00
(For mahogany or walnut finish add \$10.00)

SECTIONAL FILM-FILING UNITS

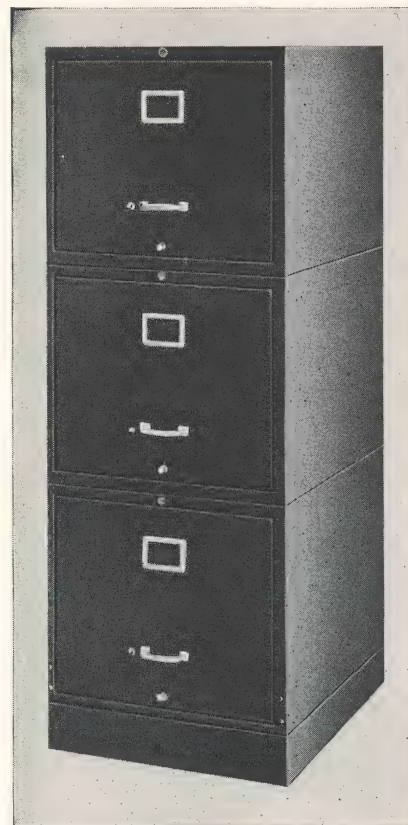
This unit system offers a means of starting out on a small scale and adding units as requirements increase. Thus a single drawer with base will serve over a period in which 650 films in negative preservers are to be filed. In no instance is a top section required. Expansion is obtained by ordering the single drawer unit only, and occasionally a base when starting a new tier. Finish is a durable and attractive olive-green. Each drawer is equipped with automatic catches. Dimensions of each section: 18¼ inches high, 26 inches deep, 21 inches wide. The base is 4 inches high. Constructed throughout of heavy gauge steel with 4 permanent vertical partitions per drawer.

Cat. No.

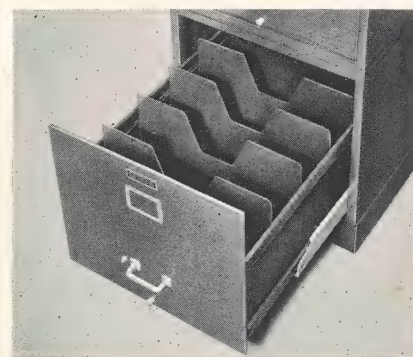
E2014H Single Drawer Unit, with base.....\$44.00
(For mahogany or walnut finish add \$7.00)
E2014J Single Drawer Unit, without base..... 36.00
(For mahogany or walnut finish add \$5.00)
E2014K Base only, for sectional film file..... 8.00
(For mahogany or walnut finish add \$2.00)



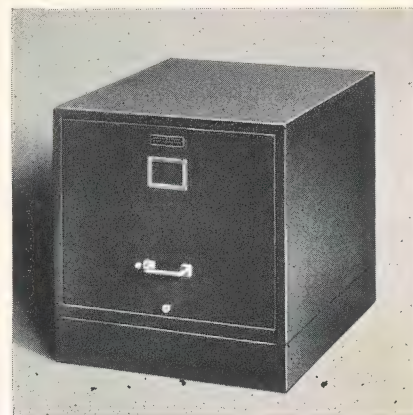
4-Drawer Film-Filing Cabinet



G-E Sectional Film-Filing Cabinet
Prices subject to change without notice.

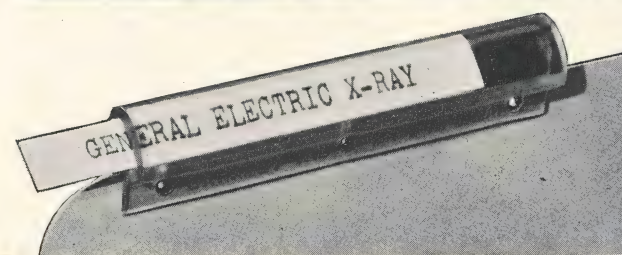
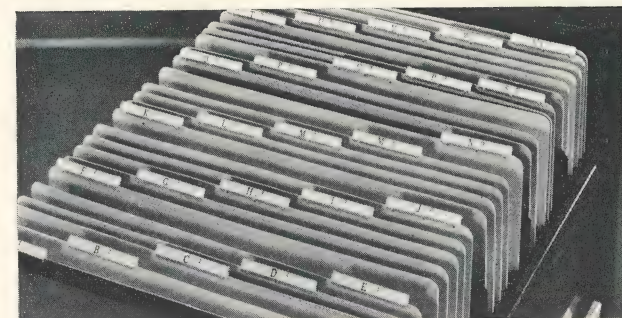


View of permanent vertical partitions



Single drawer Unit—Sectional Film File

ALPHABETICAL INDEX GUIDES



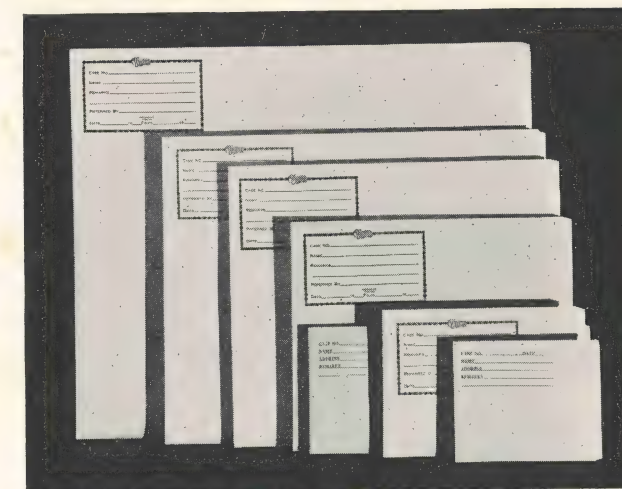
FOR 14"x17" FILING CABINETS

These new fiber-board guides have molded plastic tabs so designed that the insert is held in an angulated position and is magnified slightly to give better visibility and assure easy finding and filing the full length of the drawer.

Cat. No.

E2002F Alphabetical Index Guides, set of 26.....\$10.50

NEGATIVE PRESERVERS



These are strong kraft paper envelopes reinforced with extra wide bottom turn to maintain erect position in file. They are imprinted with blank space for the usual entries.

Cat. No.

Brown Kraft
E2003A 5"x7", per 100.....\$ 1.00
per 1000..... 9.00
E2003B 8"x10", per 100..... 1.50
per 1000..... 13.50
E2003C 10"x12", per 100..... 1.80
per 1000..... 16.20
E2003D 11"x14", per 100..... 2.20
per 1000..... 19.80

Prices subject to change without notice.

X-RAY FILM FILES • NEGATIVE PRESERVERS • MAILERS

E2003E 14"x17", per 100..... 2.75
per 1000..... 24.75
E2007A 3"x5", For filing dental films with diagrams, per 100... .85

Cat. No.

Green Kraft
E2004A 5"x 7", per 100..... 1.00
per 1000..... 9.00
E2004B 8"x10", per 100..... 1.50
per 1000..... 13.50
E2004C 10"x12", per 100..... 1.80
per 1000..... 16.20
E2004D 11"x14", per 100..... 2.20
per 1000..... 19.80
E2004E 14"x17", per 100..... 2.75
per 1000..... 24.75
E2004F 7"x17", per 100..... 2.50
per 1000..... 22.50

Prices of 4"x5" and 4"x10" listed on Page 71

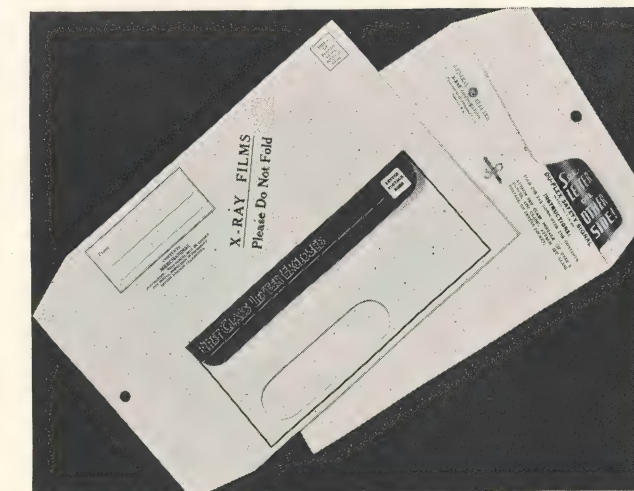
UPRIGHT FILERS

For persons having older models of G-E film-filing cabinets which do not have permanent vertical partitions, these filers are a great help. They keep the weight of the contents distributed evenly when the drawer is being opened or closed and prevent films sliding down and curling up in the bottom of the drawer. One set of three is usually sufficient for a drawer. They are easily installed.

Cat. No.

E2002H Upright Filers, set of 3.....\$9.50

COMBINATION FILM AND LETTER MAILERS



Combination film and letter mailers have a special pocket which permits sending a letter or report along with the x-ray film, thus eliminating delivery delays sometimes encountered when the two are mailed separately. These mailers are made of heavy, tough paper, and have cardboard inserts which provide additional protection. Combination film and letter mailers require no more postage than if the letter and films were mailed separately.

Cat. No.

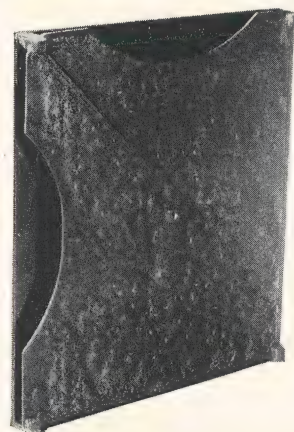
E2010A 8"x10", per 100.....\$ 7.00
E2010B 10"x12", per 100..... 7.80
E2010C 14"x17", per 100..... 10.80

PORTABLE AND VERTICAL CASSETTE TUNNELS

PORTABLE CASSETTE TUNNELS

For making stereoscopic exposures or a series of exposures without moving the patient, a cassette tunnel is an invaluable aid. We can supply the two following types:

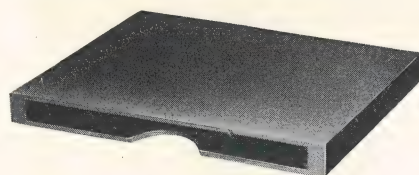
G-E ALL-METAL CASSETTE TUNNEL



This sturdily-constructed all-metal tunnel comes in one size—for use with 14" x 17" G-E Stele-Weld or Universal cassettes. (For use with Rayspeed cassette, remove wooden strips.) It will support the weight of any patient and give unlimited service. Openings in both side and end of the tunnel make possible insertion of the cassette or exposure holder from either direction.

Cat. No.
E0021C G-E All-Metal Cassette Tunnel, for use with 14" x 17" Stele-Weld or Universal Cassette...\$36.50

WOODEN CASSETTE TUNNELS



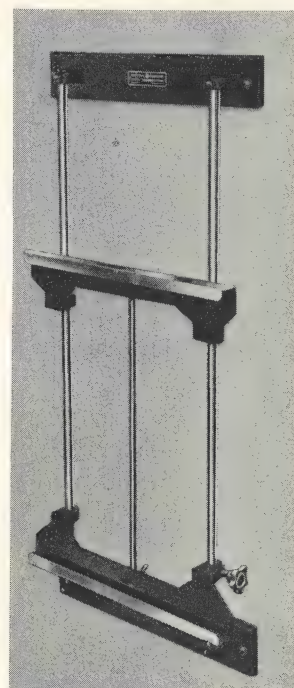
These light weight plywood cassette tunnels are strongly built—with black rubbed finish. They actually afford the same convenience as metal cassette tunnels at less cost. However, for day after day use in the 14" x 17" size, where heavy weight must be supported

over a wide area, we recommend the G-E Cassette Tunnel listed above.

Cassette Size	For Stele-Weld Cassettes	For Rayspeed Cassettes
8" x 10"	E0069A..\$14.00	E0070A..\$15.00
10" x 12"	E0069B..16.00	E0070B..17.00
14" x 17"	E0069C..19.00	E0070C..20.00

VERTICAL CASSETTE TUNNELS

THE G-E TYPE M UNIT



Offering high quality at a low price, this wall-mountable unit has an adjustable frame that fits any make cassette from 5" x 7" to 14" x 17" inclusive. Using a 14 x 17 cassette with the long axis vertical, it has a travel range of 15 inches; with the long axis horizontal its travel range is 18 inches. Accommodates patient in either sitting or standing position. Its open front places the cassette always in view for easy centering. Protrudes only 3 inches from the wall. Finished in black wrinkle enamel, with certain portions plated.

Overall dimensions: 37 $\frac{7}{8}$ " high, 16 $\frac{3}{8}$ " wide, 3 $\frac{3}{4}$ " deep.

Approximate weights: Net 14 lbs.; shipping 18 lbs.

Cat. No.
B3505A G-E Type M Cassette Holder..\$35.00

Prices subject to change without notice.

THE G-E VCT UNIT

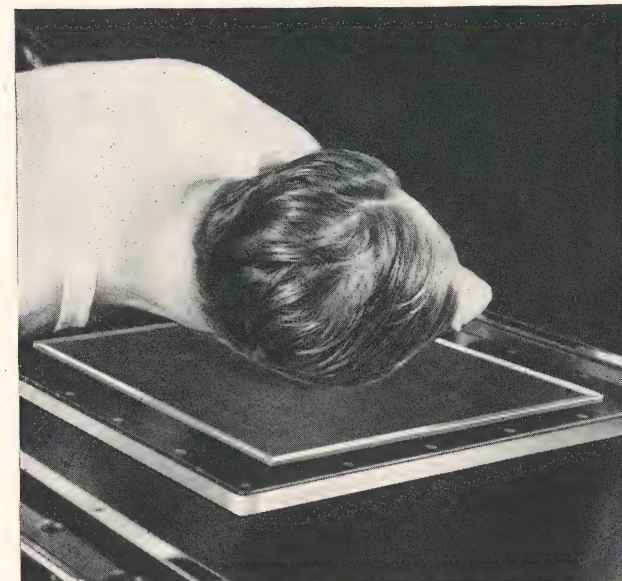


If you want a de luxe unit that is the ultimate in workmanship and efficiency; approximately 4 inches wider and 18 inches longer to accommodate taller-than-average patients, and lower to within a few inches of the floor; automatically locks at any position; has a removable thin bakelite panel to minimize absorption and provide centering markings; and is obtainable wall-or floor-mounted—investigate the VCT Unit. Write for bulletin 7B-195B.

Overall dimensions: *Wall-mounted:* 20 $\frac{3}{8}$ " wide, 67 $\frac{1}{2}$ " high, 6" deep. Net wt. 38 lbs.—shipping wt. 100 lbs. *Floor-Mounted:* 20 $\frac{3}{8}$ " wide, 68 $\frac{3}{4}$ " high, 25" deep (base). Net wt. 100 lbs.—shipping wt. 230 lbs.

Cat. No.		
B3502A	G-E VCT Unit	\$120.00
B8010A	Floor Mounting for VCT Unit.	46.75
B8011A	Height Indicator for VCT Unit, either model	12.70
C3010B	Compression & Immobilizing Device for VCT Unit	25.50

LIEBEL-FLARSHEIM STATIONARY WAFER GRIDS



In radiography or fluoroscopy of those parts of the body sufficiently heavy to produce objectionable secondary radiation but for which the Potter-Bucky diaphragm cannot conveniently be used, a stationary grid will prove invaluable. Its most common fields of application are—*Mobile or portable work* for examination of the pelvis, spine, knee, shoulder, neck of the femur, etc.

Chest radiography, particularly where pathological conditions may cause considerable secondary radiation.

Fluorography, or "spot-film" procedures in which radiographs of the gastro-intestinal tract are taken at intervals during fluoroscopy.

Fluoroscopy, where greatly increased contrast is obtained by placing the grid directly behind the fluorescent screen.

While not considered a completely satisfactory substitute for a moving bucky grid, a stationary grid will reduce the amount of secondary radiation emanating from a patient, which, if permitted to strike the film, would produce objectionable secondary fog. Thus it materially aids diagnosis. While grid lines are evident at short distances, at a 30-inch viewing distance they are scarcely seen.

Because of the absorption of secondary and a certain amount of primary radiation, it is necessary to increase the x-ray energy when a stationary grid is used. This increase should be either three times the milliamperes required to obtain a given density without the grid, or an addition of 13 kilovolts peak.

Two types of grids are obtainable: (1) the **parallel** or unfocused grid in which the lead strips are all laid parallel to each other and perpendicular to the surface of the grid—and (2) the **focused** or aligned grid, where the strips are parallel at the center but angulated more and more as they approach the outer edge, to align them with the direction of the primary beam. Flat Potter-Bucky diaphragms have this identical arrangement of lead strips. While only the 14x17" focused grid is listed,

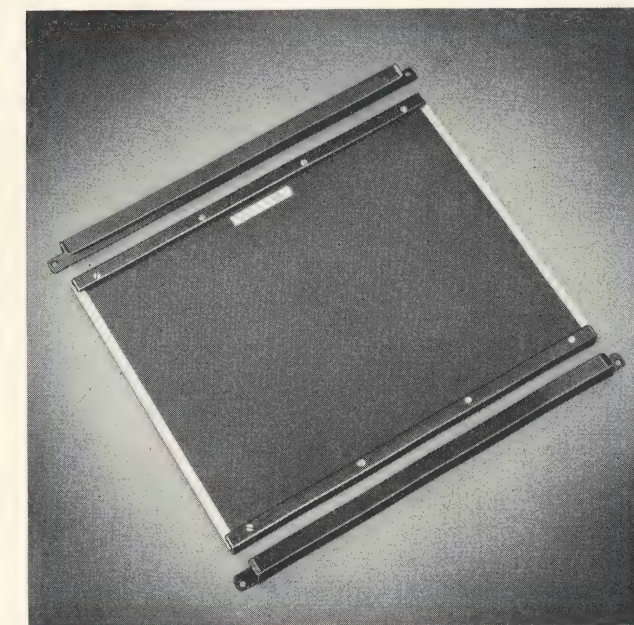
STATIONARY WAFER GRIDS

since it is most widely used, focused grids are available in all standard sizes on special order. Parallel grids are simplest to build and consequently least expensive. They are, however, quite satisfactory in small sizes and when used with a comparatively long focal-film distance. All grids listed have the lead strips running lengthwise, as indicated by the line on the surface of the grid. For best results the tube should be perpendicular to the grid and centered with respect to both grid and film. Any tilt or shift must be parallel—never at a right angle—to the grid strips.

Cat. No.

C2623A	Liebel-Flarsheim Stationary Grid, 8"x10", (Overall: 9 $\frac{1}{8}$ "x11 $\frac{1}{8}$ "x5/32". Net wt. 1 $\frac{1}{2}$ lbs.) Parallel type. Suggested focal-film distance not under 36".....	\$55.00
C2623B	Liebel-Flarsheim Stationary Grid 10"x12", (Overall: 11 $\frac{1}{8}$ "x13 $\frac{1}{8}$ "x5/32". Net wt. 2 lbs.) Parallel type. Suggested focal-film distance not under 40".....	75.00
C2623C	Liebel-Flarsheim Stationary Grid, 14"x17", (Overall: 15 $\frac{1}{8}$ "x18 $\frac{1}{8}$ "x5/32". Net wt. 3 lbs. Focused type, to be used with 36" focal-film distance.....	127.50

During the past few years there has been an increasing use of the stationary grid in fluoroscopy because of the increased contrast it gives, particularly in the more opaque areas. Its use makes necessary an increase in energy but in this case it is best to increase kilovoltage instead of



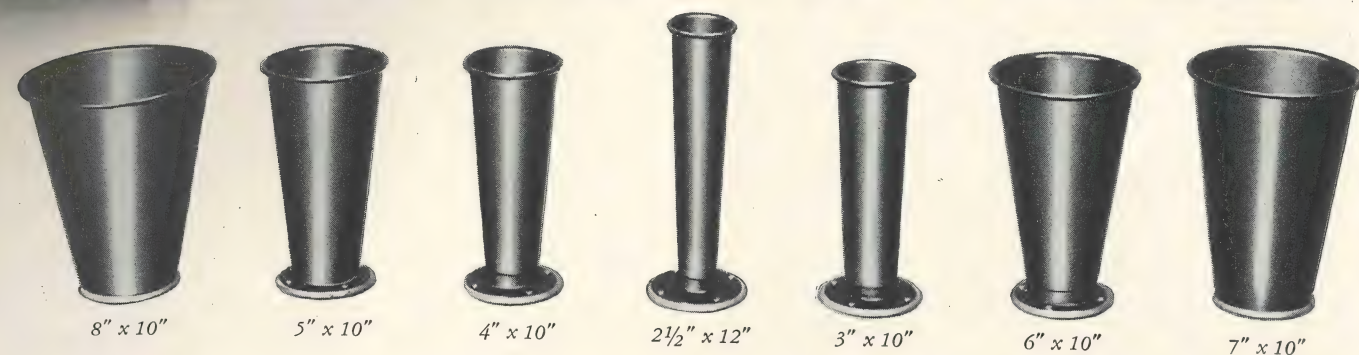
milliamperage. An increase of approximately 10 kilovolts is satisfactory if the grid is properly positioned. The Fluoroscopic Wafer Grid has been constructed for this purpose and is easily mounted behind the fluoroscopic screen. A focused grid is used in this case to provide better uniformity over a large area.

Cat No.

C2623D	Fluoroscopic Wafer Grid with channels to permit adapting to fluoroscopic screens and incorporating a 12"x16" Liebel-Flarsheim Stationary Grid. (Overall dimensions: 12 $\frac{1}{2}$ "x17". Net wt. 3 $\frac{1}{2}$ lbs.) Focused type, to be used with 36" focal-film distance	\$137.50
--------	---	----------

Prices subject to change without notice.

RADIOGRAPHIC CONES • THERAPY CONES AND SPECULA IMMOBILIZERS • COMPRESSION DEVICES

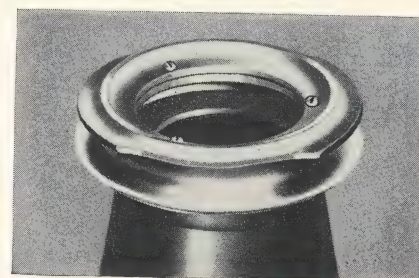


RADIOGRAPHIC CONES

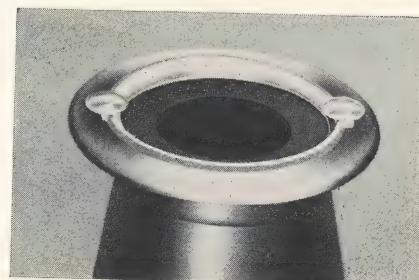
The cones illustrated above are representative of 3 series which have the same shape and dimensions, differing only in adapters—to fit the particular G-E apparatus with which they are intended to be used. The same holds true for the series of extension cylinders. See tabular listing below for catalog numbers and prices.



Adapter for C3001 Series



Adapter for C3003 Series



Adapter for C3027 Series

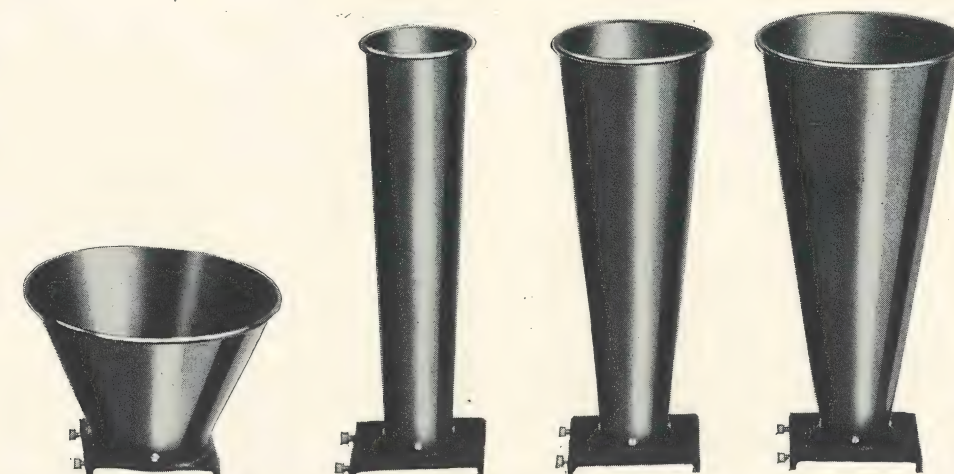


Extension Cylinder

RADIOGRAPHIC CONES		For Models 6, 16, 22, 30, 31, 33, 40, and 44 Tube Stands		For Models D1, D2, D3, and 17-75 X-Ray Units, and Models 12 and 26 Tube Stands		For Model DX Tube Unit when used on Model 39 Table and R-38 X-Ray Unit	
DIAMETER	HEIGHT	CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE
2½" (6.3 cm.)	12" (30.4 cm.)	C3001AA	\$20.00	C3003AA	\$20.00	C3027AA	\$20.00
3" (7.6 cm.)	10" (25.4 cm.)	C3001BA	20.00	C3003BA	20.00	C3027BA	20.00
4" (10.1 cm.)	10" (25.4 cm.)	C3001CA	20.00	C3003CA	20.00	C3027CA	20.00
5" (12.7 cm.)	10" (25.4 cm.)	C3001DA	20.00	C3003DA	20.00	C3027DA	20.00
6" (15.2 cm.)	10" (25.4 cm.)	C3001EA	20.00	C3003EA	20.00	C3027EA	20.00
7" (17.7 cm.)	10" (25.4 cm.)	C3001FA	22.00	C3003FA	22.00	C3027FA	22.00
8" (20.2 cm.)	10" (25.4 cm.)	C3001GA	24.00	C3003GA	24.00	C3027GA	24.00
Extension Cylinders: Diameter 4"; Extension 11⅞" to 20⅞"		C3001G	36.00	C3003G	36.00	C3027C	36.00

Prices subject to change without notice.

DEEP THERAPY CONES

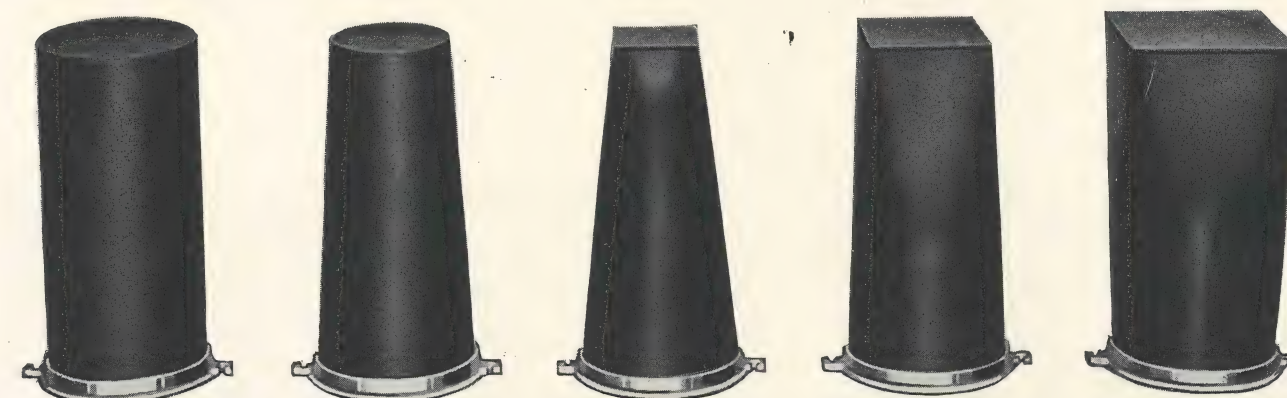


C3021A

C3021B

C3021C

C3021D



C3006AE

C3006AD

C3006AM

C3006AK

C3006AL



C3006C

C3006B

C3006A

C3006F

C3006G

C3006H

C3021 Series Treatment Cones for use with Models SP-120 and SP-140 Coolidge Therapy Tube Units

Cat. No.		
C3021A	25 cm. F.S.D., 25 cm. round port.....	\$28.00
C3021B	50 cm. F.S.D., 10 cm. round port.....	28.00
C3021C	50 cm. F.S.D., 15 cm. round port.....	32.00
C3021D	50 cm. F.S.D., 20 cm. round port.....	35.00

C3006 Series Treatment Cones for use with C3005 Master Cones and Maximar 200, 220, 250, and 400

Cat. No.		
C3006AD	70 cm. F.S.D., 15 cm. round port.....	\$60.00
C3006AE	70 cm. F.S.D., 20 cm. round port.....	60.00
C3006AM	70 cm. F.S.D., 10x10 cm. square port.....	82.50
C3006AK	70 cm. F.S.D., 15x15 cm. square port.....	82.50
C3006AL	70 cm. F.S.D., 20x20 cm. square port.....	82.50

C3006A	50 cm. F.S.D., 10 cm. round port.....	\$44.00
C3006B	50 cm. F.S.D., 15 cm. round port.....	44.00
C3006C	50 cm. F.S.D., 20 cm. round port.....	33.00
C3006F	50 cm. F.S.D., 4x4 cm. square port.....	66.00
C3006R	50 cm. F.S.D., 7x7 cm. square port.....	66.00
C3006F	50 cm. F.S.D., 10x10 cm. square port.....	44.00
C3006G	50 cm. F.S.D., 15x15 cm. square port.....	55.00
C3006H	50 cm. F.S.D., 20x20 cm. square port.....	55.00
C3006S	50 cm. F.S.D., 15x20 cm. rectangular port.....	82.50

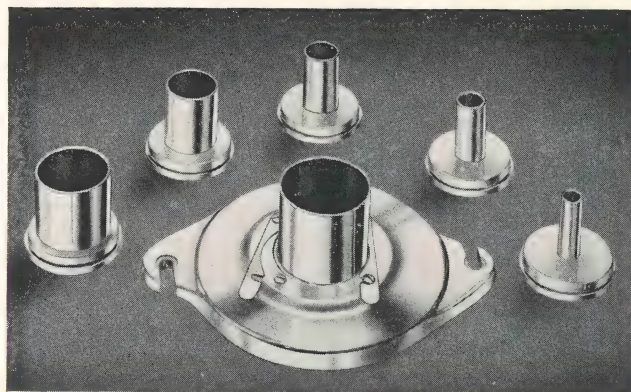
C3006 Series Treatment Cones for use with Model XPT Coolidge Therapy Tube Casing only

Cat. No.		
C3006T	25 cm. F.S.D., 2½ cm. round port.....	\$44.00
C3006U	25 cm. F.S.D., 15 cm. round port.....	49.50
C3006W	25 cm. F.S.D., 7x7 cm. square port.....	77.00

Prices subject to change without notice.

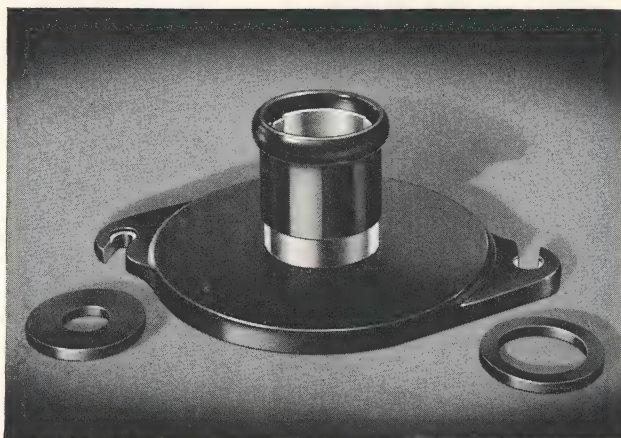
SUPERFICIAL AND CAVITY THERAPY CONES

SET OF 6 SUPERFICIAL THERAPY CONES



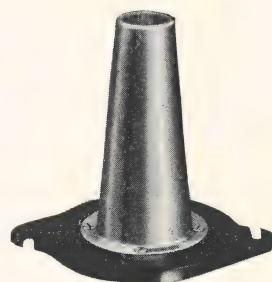
This set of 6 metal cones, heavily chrome plated, may be used with a variety of G-E apparatus—as shown in the tabular listings below—simply by means of the proper adapter, also as listed tabularly. Diameters of ports in cm., 1.0, 1.5, 2.0, 3.0, 4.0, and 5.0, respectively.

CONE WITH 2 INTERCHANGEABLE DIAPHRAGMS



Diameter of port is 5.0 cm.; with insertion of lead diaphragms, 2.0 cm. and 3.5 cm., respectively. Focal-skin distance is 25 cm. This cone may be used with G-E apparatus, as tabulated.

CAVITY TREATMENT CONE

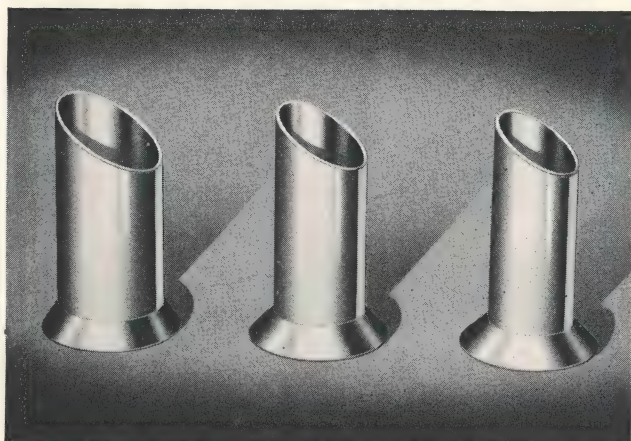


which it is to be used. Port diameter is 3.6 cm.

The cavity treatment cone is designed specifically for use with intra-oral and intra-vaginal specula and its use is therefore essential to correct focal-skin distances and proper centering. It is furnished with one of three types of adapters (see tabular listings) according to apparatus with

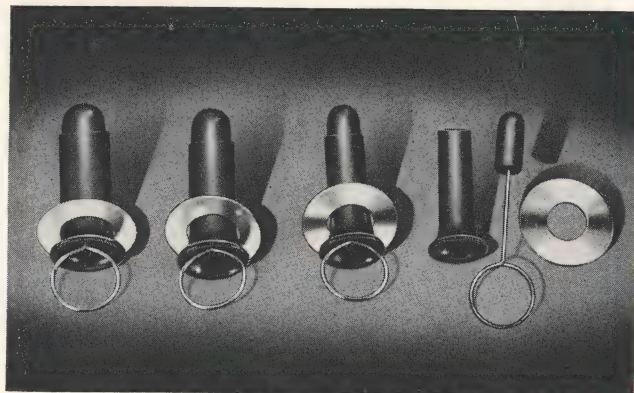
Prices subject to change without notice.

INTRA-ORAL SPECULA



For intra-oral treatments, the set of three all-metal specula is available in port diameters of 4.0 cm., 3.4 cm., and 3.1 cm., respectively.

INTRA-VAGINAL SPECULA

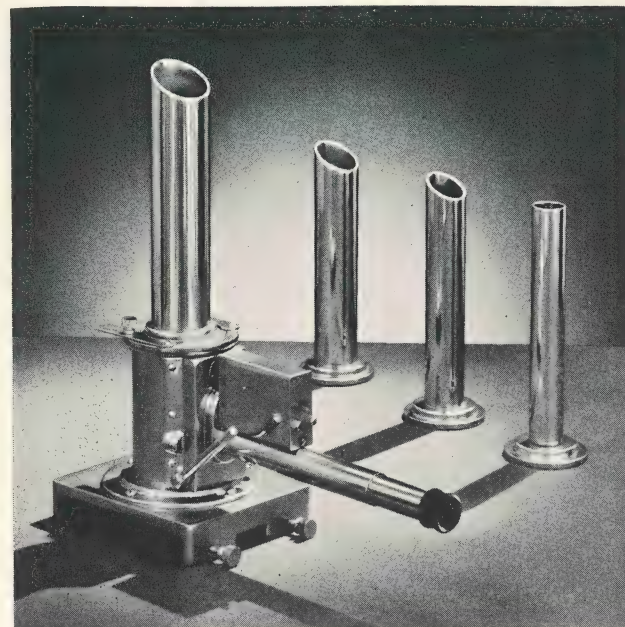


For intra-vaginal treatments, the set of four hard-rubber specula and obturators, with metal x-ray protective rings can be furnished. Port diameters of specula, 5 cm.; external diameters, 4.0 cm., 3.8 cm., 3.3 cm., and 2.9 cm., respectively. For detailed information see tabular listings.

VISUAL INTRA-CAVITY THERAPY CONE

Permits sighting of the lesion during positioning and checking for position at any time during treatment. The regular unit supplied consists of a periscopic master cone attachable to the tube head or tube casing, and four sterilizable cylindrical cavity cones which may be used interchangeably. Two additional sized cylindrical cavity cones can be furnished, if desired.

By revolving a small mirror in the master cone the treatment area is brought into view under the intense illumination of a small battery-operated flashlight bulb. Both battery and bulb are easily replaceable and readily available. The light is controlled by a separate switch. Both mirror



angulation and lighting of lamp remain fixed until manually changed, leaving both of the user's hands free.

Port diameters of the cylindrical cavity cones are: 2.0 cm. (with straight end), 2.5 cm., 3.0 cm., 3.5 cm., and (additional) 4.0 cm., 5.0 cm. with oblique end.

The Intra-Cavity Therapy Cone may be used with various G-E apparatus—as tabulated—by means of the adapter base furnished. Adapter base is available separately, also as listed in the accompanying tabular listings. Design of the Intra-Cavity Therapy Cone also permits the use of six C3016C Superficial Therapy Cones. Prices of additional sized cones are listed below. For prices of Intra-Cavity Therapy Cone with the four interchangeable cones furnished regularly, refer to the table of listings.

Additional Cones for C3032A, C3032C, and C3032E

Cat. No.

C3032G 4.0 cm. Treatment Cone.....\$15.00
C3032H 5.0 cm. Treatment Cone..... 15.00

Maintenance Parts

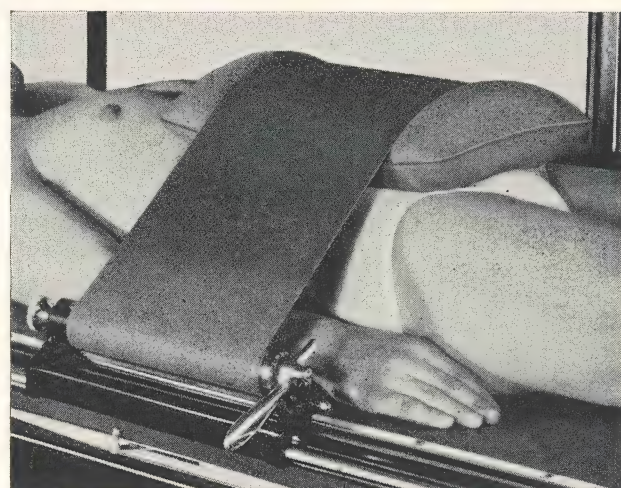
C8003A Penlight Lamp, Type TL3, 2½-v..... .09
C8004A Penlight Battery, Burgess Uni-Cel or equivalent, 1½ volts, per pair16

Superficial and Cavity Therapy Cones	For Models D1, D2, and D3 Shockproof Diagnostic Units		For Maximars 200, 220, and 250		For Models SP-140 or SP-120 Coolidge Therapy Tube Unit		For 200 kv. XPT Therapy Tube Casing	
	CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE
Set of 6 Superficial Therapy Cones	C3016C (F.S.D. 14.0 cm.)	\$33.00	C3016C (F.S.D. 24.5 cm.)	\$33.00	C3016C (F.S.D. 15.5 cm.)	\$33.00		
Adapter for Above	C3018F	24.00	C3018H	24.00	C3018J	24.00		
Cone with 2 Interchangeable Diaphragms			C3006Y (F.S.D. 25 cm.)	44.00			C3006X (F.S.D. 25 cm.)	\$40.00
Cavity Treatment Cone			C3022A (F.S.D. 36.0 cm.)	33.00	C3022C (F.S.D. 27.5 cm.)	33.00	C3022B (F.S.D. 30.5 cm.)	33.00
Intra-Oral Specula (Set of 3)			C3023A (F.S.D. 46.0 cm.)	48.00	C3023A (F.S.D. 37.5 cm.)	48.00	C3023A (F.S.D. 40.5 cm.)	48.00
Intra-Vaginal Specula and Obturators			C3024A (F.S.D. 5.0 cm.)	61.00	C3024A (F.S.D. 39.5 cm.)	61.00	C3024A (F.S.D. 42.5 cm.)	61.00
Visual Intra-Cavity Therapy Cone with 4 Interchangeable Cones and Adapter Base			C3032E	150.00	C3032A	150.00	C3032C	150.00
Adapter Base Only for Above			C3032F	18.00	C3032B	18.00	C3032D	18.00

Prices subject to change without notice.

COMPRESSION AND IMMOBILIZING DEVICES

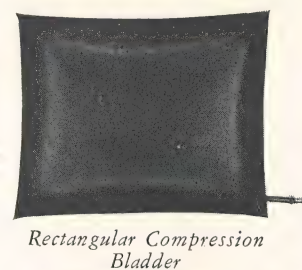
IMMOBILIZING DEVICE With Adjustable Compression Band



In radiography of nervous patients, especially children, or where focal-film distance is too great to use a compression cylinder, this device is practically indispensable. Used with an inflated compression bladder, particularly in radiography of the kidneys, it contributes materially to better results. The ratchet winds the linen band on a roller and automatically retains each degree of compression. Tension is instantly released by a reverse movement of the ratchet. Furnished for adaptation to various G-E apparatus as follows:

Cat. No.		
C3010A	For G-E Potter-Bucky Diaphragm, (curved model).....	\$50.00
C3010B	For Model VCT Vertical Cassette Tunnel.....	25.50
C3010D	For Portable Stereo-Roentgen Table	50.00
C3010H	For Model 32 Table	50.00
C3010J	For Model 33, 26 or 39 Table.....	50.00
C3010K	For Model 38 Table	50.00
C3010F	For Motor-Driven Cassette Changer or older P-R Unit..	60.00
C3010G	For Model 2 Type 2 Single or Model 3 Type 2 Duplex P-R Unit	70.00
T0183E	Cloth Band for Compression Device.....	1.25

COMPRESSION BLADDERS



Rectangular Compression Bladder

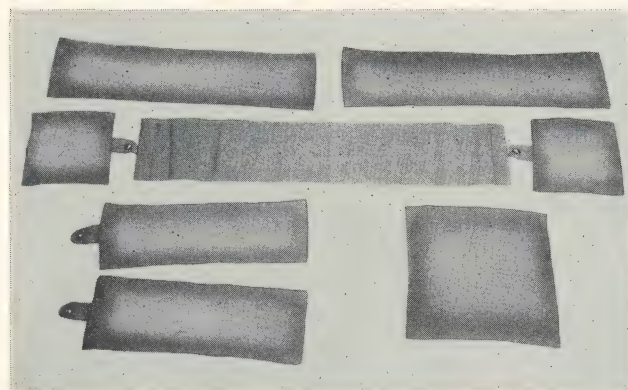


Round Compression Bladder

Cat. No.		
C3011A	Round Compression Bladder, 12" (30.4 cm.) diam.....	\$3.00
C3012A	Rectangular Compression Bladder, 11" x 14" (28 cm. x 35.5 cm.)	3.00

Prices subject to change without notice.

SAND BAG COMPRESSION SET



The many instances where sand-filled bags are practical for immobilization in radiography, and their convenience of application, make them standard accessories in every modern x-ray laboratory. Also used extensively in physical therapy laboratories for holding diathermy electrodes in place when binding bandages cannot be used. This set consists of 7 heavy, durable green-duck bags that will not soil easily, with metal eyelets, and an immobilizing band from which to suspend them. Sizes are: two each, 7½" x 7½" (19 cm. x 19 cm.); two each, 6" x 17" (15 cm. x 43 cm.); two each, 7" x 24" (18 cm. x 61 cm.); one 11½" x 12" (29 cm. x 30.5 cm.); immobilizing band is 32" x 6½" (81 cm. x 16.5 cm.). Bags are furnished unfilled, as sand is readily available locally, thus reducing transportation charge.

Cat. No.		
C3014A	Sand Bag Compression Set (7 bags less sand).....	\$7.50

OFFSET CONVEX COMPRESSION CONES

For use with G-E Fluorographic Screen Units

Cat. No.		
B8044A	Offset Convex Compression Cone, 3½" diam., for G-E No. 3 Fluorographic Screen Unit.....	\$25.00
B8044B	Offset Convex Compression Cone, 3½" diam., for G-E No. 2 or 2-F Fluorographic Screen Unit.....	25.00

RATCHET MECHANISM

For screen staging of Model 33 or 36 Table, when used with No. 2 or 2-F Fluorographic Screen Unit

Cat. No.		
B8040A	Ratchet Mechanism	\$10.00

FILTERS

ALUMINUM FILTERS

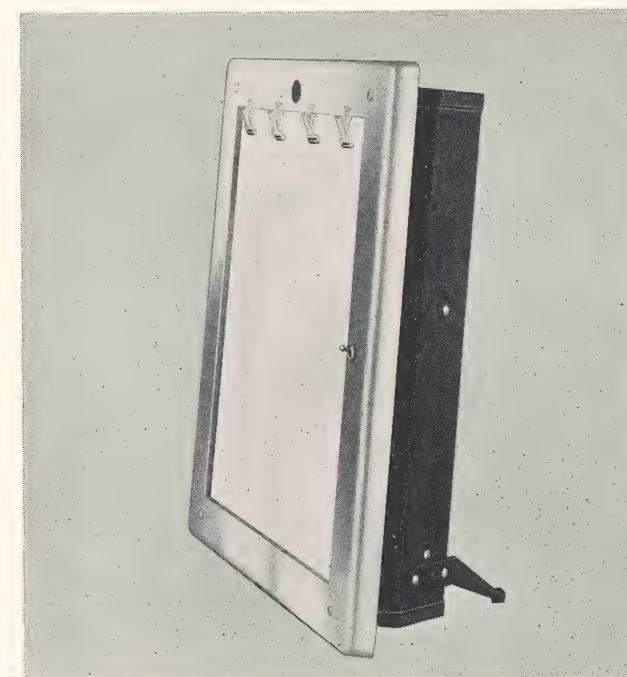
for all G-E diagnostic-type tube stands except Model 12

Cat. No.		
C3151A	1-mm. thick, 6" x 4⅞".....	\$4.00
C3151B	2-mm. thick, 6" x 4⅞".....	6.00
C3151C	3-mm. thick, 6" x 4⅞".....	6.50
C3151D	4-mm. thick, 6" x 4⅞".....	8.00
C3151E	½-mm. thick, 6" x 4¾", for deep therapy table.....	6.00
C3151F	1-mm. thick, 6" x 4¾", for deep therapy (wooden) table.....	4.00

COPPER FILTERS

for all G-E diagnostic-type tube stands except Model 12

Cat. No.		
C3152A	¼-mm. thick, 6" x 4⅞".....	\$4.00
C3152B	¼-mm. thick, 6" x 4¾", for deep therapy (wooden) table.....	8.00



Single-Panel G-E Fluoroline Illuminator

FLUOROLINE ILLUMINATORS

G-E Fluoroline Illuminators utilize the most modern and efficient source of light and the best thus far obtainable for radiographic study—the fluorescent Mazda lamp. It is typically high in lumen output and the manner in which it is diffused in the G-E Fluoroline Illuminator gives the nearest approach to daylight yet produced. This not only assures better viewing but provides far greater working comfort and more economical operation.

SINGLE-PANEL FLUOROLINE ILLUMINATOR

This Illuminator uses two 15-watt fluorescent Mazda lamps and accommodates films of all sizes up to and including 14 by 17 inches. It may be recessed in the wall, singly or in banks; or used on a desk or table. Each unit is furnished with two rubber-tipped legs for this purpose. The new diffusing panel and its clear glass shield are easily removable, without removing the film clips, when access to the Mazda lamps and starter is desired. Housing is sheet steel finished in black crystalline enamel, with a front frame of plated steel. Drip trays and wet-film hanger hooks are available at a slight extra cost.

Overall dimensions: Front frame 18½" wide, 21¼" high, 1" deep. Illuminator box: 16⅞" wide, 19⅝" high, 4¾" deep. Wall opening required for recessed mounting: 17⅜" wide, 22⅛" high, 4" deep. Electrical outlet is in center of bottom panel.

Cat No.		
E5016A	Fluoroline Illuminator, including two 15-watt Fluorescent Mazda Lamps, color North Daylight, 110/120-v., 60-cy. .	\$49.00
E5016B	Fluoroline Illuminator, including two 15-watt Fluorescent Mazda Lamps, color North Daylight, 110/120-v., 50-cy. .	\$54.00
E5016E	Fluoroline Illuminator, including two 15-watt Fluorescent Mazda Lamps, color North Daylight, 110/120-v., d.c. .	56.00
E5016G	Fluoroline Illuminator, including two 15-watt Fluorescent Mazda Lamps, color North Daylight, 220/240-v., 60-cy. .	57.25

Prices subject to change without notice.

RADIOGRAPH ILLUMINATORS

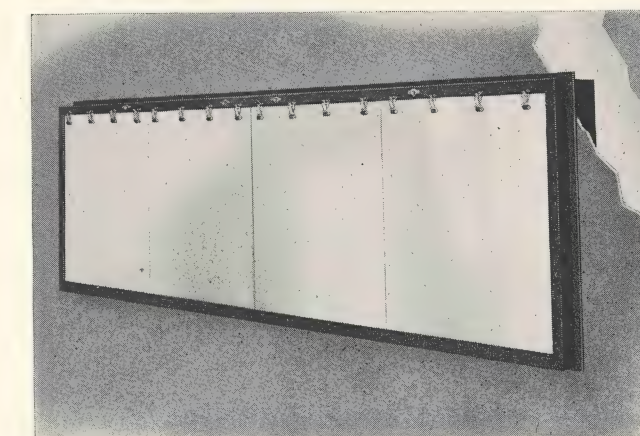
E5016F	Fluoroline Illuminator, including two 15-watt Fluorescent Mazda Lamps, color North Daylight, 220/240-v., 50-cy. .	\$61.50
E5017A	Replacement Fluorescent Lamp for series E5016 Fluoroline Illuminators, 15-watt, 110/120-v.	.85
E5037A	Replacement Diffusing Panel with Clear Glass Shield, 14" x 17"	5.00
E5009C	Drip Tray Set, for E5016 series Fluoroline Illuminators, including wet-film hanger hooks.....	7.50
E5010B	Replacement Snap-Up Type Film Clip, ea.....	.35

17" x 17" FLUOROLINE ILLUMINATOR

Employing three 15-watt G-E Fluorescent Mazda Lamps, this illuminator is furnished with two opaque, flexible, waterproof curtains. These operate on spring rollers and can be adjusted to permit arrangement of any desired area of illumination. Windows are 17 by 17 inches and a film may be viewed in either the vertical or horizontal position. The 17 by 17-inch Illuminator is equipped with a base that permits its use with the G-E Truvision Stereoscope, if desired.

Cat No.		
E5029A	17" x 17" Fluoroline Illuminator, including base casting, two curtains, and three G-E Fluorescent Mazda Lamps, 110/120-v., 60-cy.	\$126.50
E5018C	White Flashed Opal Glass, 17" x 17".....	7.00

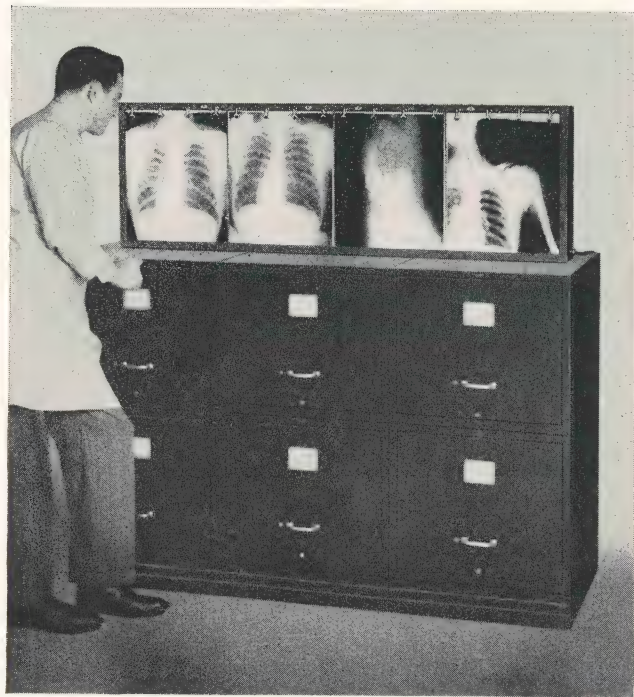
4-PANEL FLUOROLINE ILLUMINATOR



4-Panel G-E Fluoroline Illuminator mounted in wall

The G-E 4-Panel Fluoroline Illuminator provides more light with better distribution than any similar incandescent model. Its brilliant and uniform illumination achieves maximal visibility of radiographic detail. This unit accommodates four 14 by 17-inch radiographs, has a separate reflector for each 14 by 17-inch panel, and each panel is equipped with two 15-watt Fluorescent Mazda lamps. Current consumption is 120 watts in comparison with the 800 to 1000-watt rate of a 4-panel incandescent illuminator of equal light intensity.

Mountable on shelf or table, or atop filing cabinets, the



4-Panel G-E Fluoroline Illuminator mounted on file cabinets

4-Panel Illuminator may also be recessed or hung on the wall. Four switches along the upper edge give separate light control over each panel. The diffusing panel and clear glass are readily removable. The illuminator will accommodate only two drip tray sets, one on each end panel.

A mobile stand is also available on which one or two of these 4-Panel Illuminators may be mounted. This permits convenient availability for use in several departments and may obviate the need for several independent installations. If one 4-Panel Illuminator is to be used on this mobile stand,



Two 4-Panel Fluoroline Illuminators mounted on Mobile Stand

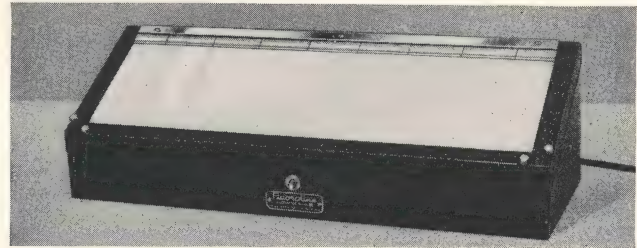
Prices subject to change without notice.

the mounting casting is arranged to support it at either high, center, or low position. Thus radiographs may be viewed from a standing position with two optional heights, or from a sitting position. There is provision for angulation of the 4-panel unit. This same casting is used for supporting two 4-panel illuminators. The mobile stand has four rubber-tired swivel casters which facilitate its positioning and moving from one location to another.

Both the 4-Panel Illuminator and Mobile Stand are finished in wrinkled olive-green enamel. Dimensions of illuminating unit, 18-3/16 inches high by 58-1/4 inches long by 5-5/16 inches deep. Dimensions of mobile stand, 64 inches long by 24 inches wide by 53 inches high; film shelf, 14 inches wide.

Cat. No.	
E5022A	4-Panel Fluoroline Illuminator, complete with 8 Fluorescent Mazda Lamps, film clips, and connecting cord. 110/120-v., 60-cy.\$187.00
E5022B	For 110/120-v., 50-cy. 209.00
E5022C	For 110/120-v., d.c. 215.00
E5023A	Mobile Stand for 1 or 2 4-Panel Fluoroline Illuminators 115.50
E5022D	Transformer for operation of E5022A or B from 220/240-v., 50/60-cy. line 10.00
E5024A	Wall Flange for 4-Panel Fluoroline Illuminator. Width: 2 inches. Overall Dimensions: 62 1/8 inches long, 22 7/8 inches high. Projection from wall, 3/8 inches 15.50
E5017A	Replacement Fluorescent Mazda Lamp for E5022 series Fluoroline Illuminators85
E5009C	Drip Tray Set, for E5022A Illuminators, including wet-film hanger hooks 7.50
E5037A	Replacement Diffusing Panel and Clear Glass, 14"x17" 5.00
E5010B	Replacement Snap-Up Type Film Clips, ea.35

MODEL 5-17 FLUOROLINE ILLUMINATOR



This illuminator is designed especially for the examination of dental x-ray films and photoroentgenograms. It is compact, occupying a space of only 7 by 19 1/2 inches, and may be placed on a desk, table, or cabinet. Or by removing two rubber buttons which serve as front legs, the openings may be utilized to hang the unit on a wall. Whether used on a desk top or wall-mounted, it affords a convenient angle for viewing films on its 5 by 17-inch viewing panel.

Employing one G-E Fluorescent Mazda Lamp, and with a reflector designed for maximum intensity and uniform distribution of light, the G-E 5-17 Fluoroline Illuminator is an exceptionally economical and efficient unit.

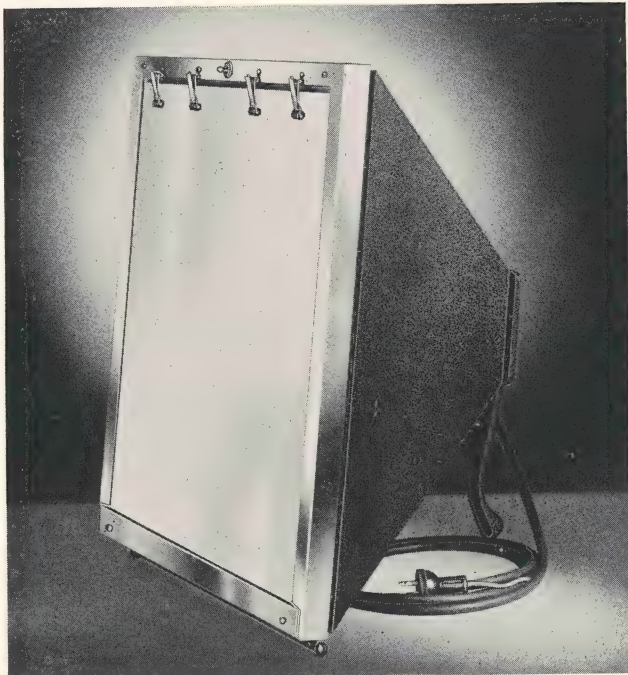
A continuous film clip holds any number of films securely in position up to maximum capacity; for example, there is ample space for a 16-film dental mount with surplus area for supplemental single films, and as many as four 4 by 5-inch films.

Finished in black wrinkle enamel and rich chrome, the

Model 5-17 combines proper construction and design for maximum utility, attractive appearance, and durability. Furnished with an 8-foot extension cord, three-wire type, with detachable grounding terminal.

Cat. No.	
E5026A	Model 5-17 Fluoroline Illuminator, including one 15-watt Fluorescent Mazda Lamp, 110/120-v., 60-cy.\$ 20.00
E5026B	For 110/120-v., 50-cy. 22.00
E5026C	For 110/120-v., d.c. 23.00
E5017A	Replacement G-E Fluorescent Mazda Lamp for series E5026 Fluoroline Illuminators85
E5018B	Replacement White Flashed Opal Glass, ea. 3.25

14" x 17" INCANDESCENT ILLUMINATOR



Although the incandescent type illuminator lacks many advantages featured in Fluoroline Illuminators, the lower initial cost may prove a determining factor under some conditions.

The 14 x 17 inch Incandescent Illuminator is lighted by one high-intensity Argon Lamp (or Nitrogen Lamp) and optically-correct reflecting surfaces assure uniformity of panel illumination. The color of the light, North Daylight, is accomplished by means of a blue-tinted bulb, reflecting surfaces, and glass panel.

Made of metal and glass throughout, the Model B is not affected by moisture or temperature changes. Sturdily made, it gives years of reliable service. Its light weight makes it easily portable; or it may be conveniently mounted in banks of two or more. Accommodates 14 by 17-inch radiographs or smaller.

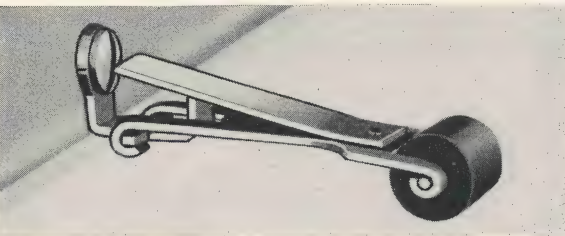
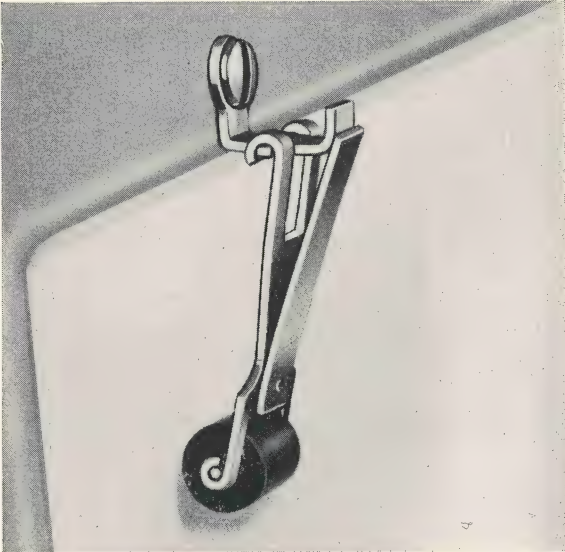
Wet-film hanger hooks and drip tray set are available at a slight extra cost.

Cat. No.	
E5002B	14" x 17" Incandescent Illuminator, complete with toggle switch and cord, but without lamp. 110/120-v., 60-cy.\$ 24.00
E5007A	Argon Lamp, 200-watt, 115-, 120-, or 125-v. (Specify which.) 2.00
	Add excise tax in the amount of..... .15

Prices subject to change without notice.

E5007C	Argon Lamp, 220-watt, 220-, 230-, 240-, or 250-v. (Specify which.)\$ 3.25
	Add excise tax in the amount of..... .24
E5006B	Daylight Nitrogen Lamp, frosted, 100-watt, 110/120-v. Add excise tax in the amount of..... .02
E5006F	Daylight Nitrogen Lamp, inside frosted, 100-w, 230-v. Add excise tax in the amount of..... .04
E5009A	Drip Tray Set with wet-film hangers for E5002B Illuminator 3.85
E5008A	Replacement 14" x 17" Blue Flashed Opal-Glass..... 8.00
E5010B	Replacement Snap-Up Type Film Clips, ea.35

G-E SNAP-UP FILM CLIP



An exclusive feature on G-E Radiograph Illuminators, the G-E Snap-Up Film Clip eliminates most disadvantages and inconveniences common to film clips in the past.

The accompanying illustrations help explain how. Top shows the clip in normal position for securing the radiograph. Bottom shows how it can instantaneously be snapped up to a 90 degree position, putting it out of the way and facilitating removal of the glass when required.

With the Snap-Up Clip in normal position, pressure of the flat steel spring forces the plastic roller against the glass. This assures a firm hold on the film at all times. Smooth action of the rollers insures easy insertion and removal, without film scratching.

Snap-Up Film Clips are easy to mount on G-E Illuminators bearing older type wire clips. When in 90 degree position, the clip holds the mounting screw securely in place and can be used as a screwdriver to start it. Snap-Up Clips can be installed on other than G-E Illuminators by drilling and threading the necessary holes. These Clips are strongly made and attractively finished in accord with the fine appearance and quality of G-E Illuminators.

Cat. No.	
E5010B	G-E Snap-Up Type Film Clips, ea.\$.35
E5010C	G-E Snap-Up Type Film Clips, set of 4..... 1.10
E5010D	G-E Snap-Up Type Film Clips, set of 16 4.40

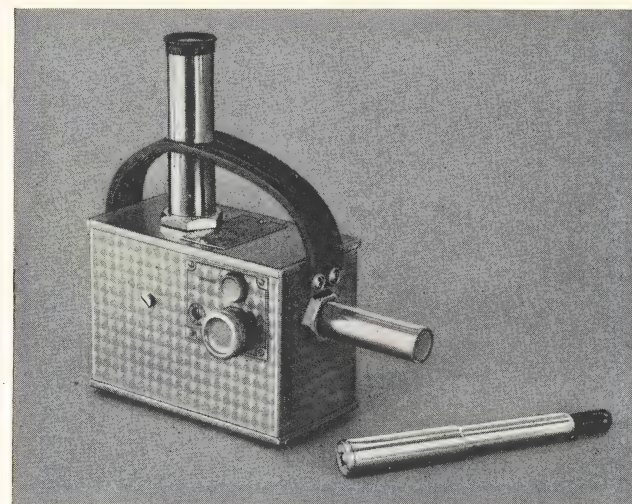
X-RADIATION MEASURING DEVICES

Radiation measuring devices are not a luxury. They are necessary in any procedure calling for the use of radiation therapy. The instruments described here are intended for the measurement and determination of those physical factors necessary for the safe and adequate administration of radiation therapy.

The conditions under which measurements are to be made and the preference of the radiation therapist make it impossible to combine all the necessary features in a single instrument. Each of the measuring devices described here has been designed with some particular application in mind. The purpose of this section is to describe these instruments in such a manner that the radiation therapist may choose that instrument, or combination of instruments, best suited to the problem at hand.

Each unit here offered is dependable and of an accuracy as great as the present state of the art permits.

VICTOREEN r-METER



The Victoreen Condenser-Type r-Meter is the most widely used instrument ever designed for the measurement of roentgen rays. It is a portable unit, designed especially for reliability, ruggedness, and simplicity. This r-Meter consists of two parts; an electrometer with the necessary charging and reading mechanism, and a detachable chamber tube. The electrometer, charging and reading mechanism are contained in a small but heavy metal box designed to prevent vibration of the electrometer string. When a reading is to be taken this box can remain in a radiation-free area while the detachable chamber tube is placed at the point at which the reading is to be taken.

The Condenser-Type r-meter is primarily used for the measurement of roentgen dosage in terms of roentgen (r) per minute. Such readings may be used directly for dosage or they may be used for the plotting of absorption or transmission curves for the determination of the radiation quality.

The design of the chamber tube is such that they may be placed on the surface of the patient's body and exposed to determine the intensity of the radiation on the skin.

To facilitate the making of measurements within reasonably

useful periods of time a series of four chambers are available. The chambers give full scale readings of 0.25r, 25r, 100r, and 250r respectively. The 0.25r chamber is for use in the measurement of radiation of very low intensity, usually in connection with x-ray protection. The 25r chamber is the most useful of all since it is adequate for most measurements. The 100r and 250r chambers are designed for high radiation intensities such as are encountered in the calibration of unfiltered radiation for superficial therapy and the calibration of super-voltage units delivering a high intensity. The 100r and 250r chambers also lend themselves to measurements on the skin since they permit a reading over a longer period of time than would be the case with the 25r chamber.

One advantage of the Victoreen Condenser-Type r-meter is that its compactness and portability make it possible to return it to the manufacturer at regular intervals for calibration against a radiation standard.

Cat. No.	
C4001A	Victoreen r-Meter, with leatherette case and 25r chamber tube\$395.00
C4001B	Victoreen r-Meter, with desiccator case (dehumidifying) and 25r chamber tube..... 425.00
C4018A	Extra Ionization Chamber Tube, 25r or 100r, (specify which) 45.00
C4018B	Extra Ionization Chamber Tube, 250r..... 55.00
C4018C	Extra Ionization Chamber Tube, 0.25r..... 55.00

VICTOREEN IOMETER



The Victoreen Iometer is used to indicate the constancy of the x-ray beam. As such it indicates instantly any deviation of the intensity of the x-ray beam from the calibrated values. These deviations may be due to the use of the wrong filtration, a change in line voltage, or the failure of some part of the x-ray equipment.

The Iometer is intended for use in connection with the Condenser-Type r-Meter. The r-meter is used at periodic intervals to calibrate the equipment at the various voltages and filtrations used. For each of these conditions the Iometer reading is noted. With this information the Iometer becomes a measuring device used during every minute of

Prices subject to change without notice.

treatment and instantly indicating any deviation from the calibrated values.

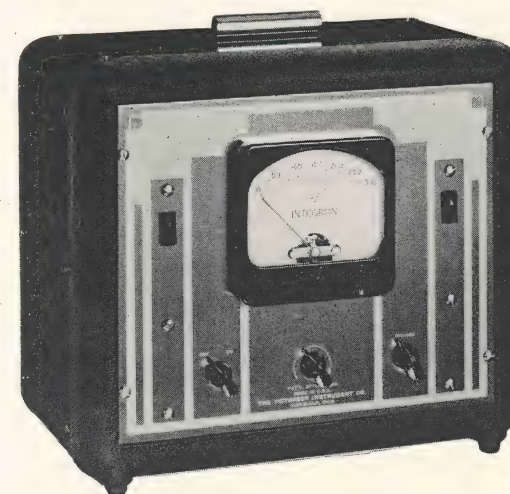
The instrument consists of a box containing the necessary power supply, meters, etc., that may be mounted in the x-ray control stand or on the wall near the control stand. A large ionization chamber is permanently mounted in the master treatment cone and connected by a 35 foot cable to the box in the control stand. Cable lengths greater than 35 feet can be supplied on special order.

The ionization chamber has been designed for minimum filtration being equivalent to about 0.5 mm. of aluminum at 200 kvp.

The ideal combination for the radiation therapist is in most cases a Victoreen Condenser-Type r-meter and an Iometer. The r-meter as a calibration device and the Iometer as a continuous indicator device.

Cat. No.	
C4005A	Victoreen Iometer, with Ionization Chamber to fit C3005 or Maximar Master Cone, and with Cabinet Type Control Unit, 110/120-v., 50-, to 60-cy.....\$555.00
C4005B	Victoreen Iometer, with Ionization Chamber to fit C3005 or Maximar Master Cone, and with control unit to fit into Vertical Control Panel, 110/120-v., 50- to 60-cy 495.00
C4005G	Victoreen Iometer for 1000 Kvp X-Ray Unit, ionization chamber to fit into visual field localizer, cabinet type control unit, and 100-ft. connecting cable..... 524.00

VICTOREEN INTEGRON III



The Victoreen Integron is an integrating radiation measuring instrument. That means that the instrument measures the cumulative dose from the beginning of the measuring period to the time of reading. It does not indicate the rate at which radiation reaches a point. It indicates the total dose that has been delivered to a point.

The Integron is designed to measure the cumulative dose on the skin and to terminate the treatment when some predetermined dose, measured in roentgens, has been administered.

The Integron III consists of a box containing the power supply, amplifier and reading instruments, and a floor pedestal which supports the ionization chamber. The instrument box may be mounted in the control stand of the x-ray unit or it may be mounted on the wall or a table. The ionization chamber is connected to the instrument box by a 45 foot cable. Other lengths of cable can be provided on

Prices subject to change without notice.



special order. Special provisions are necessary because a change in cable length will alter the calibration of the instrument.

In using the Integron the floor pedestal is moved to a point near the treatment table and the ionization chamber is placed in the center of the radiation field and on the skin. The ionization chamber is on the end of a metal chamber tube but the chamber tube is a very thin metal sleeve so presents virtually no filtration to the x-ray beam.

After the chamber is placed in position the Integron is set for the desired dose. This is done by means of a knob on the control box. Directly above this knob is a meter calibrated to read from 0 to 300 roentgens. The knob is adjusted until the meter reads the desired dose, in roentgens. The x-ray unit is then put into operation. As the treatment progresses the meter pointer moves from the original setting toward zero. When the pointer reaches zero the Integron opens the high voltage circuit thru the *contactor in the x-ray equipment and a visible and audible signal indicate the termination of the treatment.

During the course of the treatment a glance at the meter indicates just how much of the dose has been administered. If it is necessary to interrupt the treatment the Integron need not be re-adjusted. It begins to function again as soon as treatment is resumed and functions as though there had been no interruption of the treatment.

The use of the Integron prevents the administration of any dose other than that for which the instrument is set. If set for 100 roentgens no error in voltage, filter or any other factor alters the total dose administered. When 100r has been delivered to the skin the treatment is terminated by the Integron.

The Victoreen Integron does not lend itself to calibration purposes; that is the field of the Condenser-Type r-Meter.

*X-ray equipment contactor not furnished with Integron.

The Integron is primarily designed for the radiation therapist who wants an instrument that will measure the total dose administered to the skin and that will terminate the treatment when some predetermined skin dose has been delivered.

- Cat. No.
 C4003C Victoreen Integron III, 105/125-v., 50- to 60-cy (specify exact voltage), for separate mounting.....\$995.00
 C4003D Victoreen Integron III, 105/125-v., 50- to 60-cy (specify exact voltage), for mounting into vertical control panel 935.00
 C4020A Recording Meter for separate Mounting..... 365.00

VICTOREEN MINOMETER



The Victoreen Minometer is an instrument designed for the measurement of radiation of low intensity in determining the adequacy of x-ray protection.

The Minometer consists of two parts; a cast metal case containing the electrometer, and charging source; and the detachable condenser-type chamber tube. The charging source is energized from the Ac line hence no batteries are required for operation of the Minometer.

Two ionization chambers are regularly available. One of these is about the size and shape of a fountain pen and reads 0.2 roentgen full scale. This is twice the daily tolerance dose recommended by the U. S. Bureau of Standards of 0.1 r.

The other chamber gives a full scale reading for 0.01 roentgen. This chamber is approximately 1½ inches in diameter and 2 inches long.

On special order a larger chamber giving a full scale reading for 0.001 roentgen can be provided.

Any number of chambers of any size can be used interchangeably with a single electrometer.

In determining whether or not the protective procedures are adequate the chamber is charged, detached from the electroscope and placed in the pocket of the operator. If the 0.2 r chamber is used it should remain on the operator during the entire working day. At the end of that time it is plugged into the electroscope and the reading observed. If the reading exceeds 0.1 r the protective measures are not adequate or the operating procedure is one that does not take advantage of the protection that has been provided. In that respect the Minometer is in a field by itself. A survey of the x-ray protection may indicate that the protection is adequate but such a survey does not prevent the operators from failing to make use of the protection that has been provided. Any such neglect on the part of the operator is indicated if the Minometer is used since the chamber is on the person of the operator at all times.

If the 0.01 r chamber is carried by the operator it may only be carried for 1/10 of the working day before being read. The chief use of the 0.01 r chamber is for checking the protection provided by walls, windows, etc., since it permits a reading in a relatively short exposure time. The same may be said of the special 0.001 r chamber.

- Cat. No.
 C4021A Victoreen Minometer, 110/120-v., 50/60-cy with 0.2r chamber\$160.00
 C4022C Extra .2r chamber 12.50
 C4022B Extra .01r chamber 23.85
 C4023A Carrying case for Victoreen Minometer (has 6 slotted holes for 0.2r chamber and 1 slotted hole for 0.01r chamber) 10.60

VICTOREEN PROTEXIMETER

The Victoreen Proteximeter is an integrating type instrument which measures scattered radiation accumulatively and indicates the quantity visually on a meter scale calibrated in milliroentgens. Midscale indicates 100 milliroentgens or 0.1r, which is the accepted standard for a daily tolerance dose. Thus in a very clear and simple manner it enables doctors, technicians and other personnel of x-ray laboratories to know how much scattered radiation they are getting from day to day.

The Proteximeter will measure any quantity of scattered radiation from equipment operated at 75 kvp or higher. At lower kvp the limiting factor of accuracy is the inherent filtration of the one millimeter polystyrene wall of the ionization chamber.

This new model is an improvement in two ways. First, it has a plug-in ionization chamber which makes it possible to use several chambers interchangeably with the same instrument to permit measurement at more than one location. Second, this calibrated thimble chamber contains a sub-miniature electrometer tube and high megohm resistor hermetically sealed to do away with all difficulties caused by humidity.

The new Proteximeter is easy to operate and requires minimum service. It is not necessary to connect it to a 115-volt supply line as it has a self-contained battery system using standard batteries. Because of low tube drain, these seldom require replacement.



This instrument supplements other Victoreen radiation measuring devices which we offer for complete coverage of the problem of dosage control, protection against excessive exposure to scattered radiation, and complete laboratory instrumentation in the field of nuclear physics.

The metal case is finished in gray wrinkle enamel with black instrument panel. Overall dimensions are: 8⅞" long, 4" wide, 6¾" high. Weight 5 pounds.

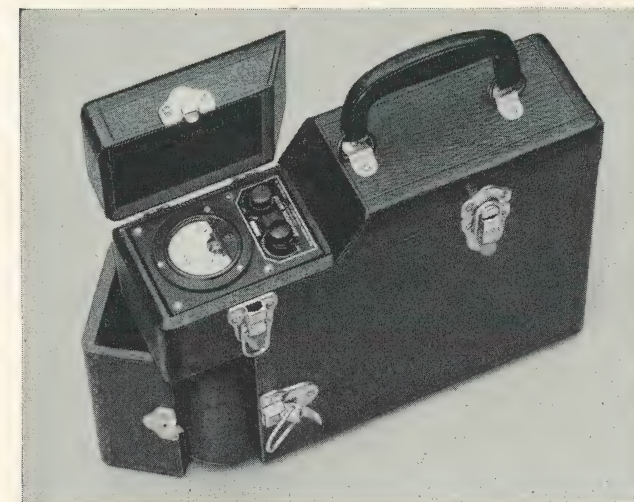
- Cat. No.
 C4026A Victoreen Proteximeter, Model 300.....\$225.00
 C4026B Extra Hermetically Sealed Chamber, 0.2r..... 65.00

VICTOREEN RADIATION METER

The Victoreen Radiation Meter is a very sensitive instrument designed for the detection and measurement of stray radiation. It reads directly in milliroentgens per minute (thousandths of a roentgen per minute.) The minimum calibration of the scale is 0.1 milliroentgens (0.0001r) per minute. The maximum calibration on the scale is 2.0 milliroentgens (0.002r) per minute.

The Radiation Meter consists of a large ionization chamber, an amplifier, and a meter calibrated in milliroentgens per minute. The necessary power is supplied by a single large 45 volt "B" battery. An additional scale is provided on the meter for checking the battery voltage.

The entire instrument including the battery is enclosed in a carrying case so designed that the instrument may be used without removing any part of it from the case. A section of



the case may be opened, permitting the measurement of soft radiation with a minimum of filtration.

The Victoreen Radiation Meter is recommended for protection surveys where it is advisable to make measurements at many points over a wide area. It is especially useful in detecting radiation "leakage" since it can be quickly used to determine the direction from which the radiation is coming. It is also useful in studying the geometry of scattered radiation of very low intensity.

It should be noted that the Radiation Meter does not take the place of the Minometer or Proteximeter, since the Radiation Meter does not integrate the radiation over the entire working period.

- Cat. No.
 C4025A Victoreen Radiation Meter\$275.00

Prices subject to change without notice.

Prices subject to change without notice.

X-RAY PROTECTIVE MATERIALS

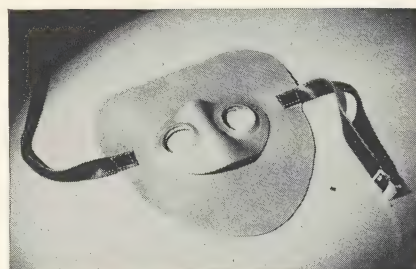
XRP

XRP is the brand name and trade mark that identifies x-ray protective devices and materials in the G-E X-Ray line. Purchasers should make certain that any protective devices and materials sold as XRP bear that trade mark. It's positive assurance of freedom from imperfection plus uniform and maximum protection.

All items bearing the letters XRP are guaranteed against defects in quality and workmanship for 6 months. All sold under the name of XRP meet the U. S. National Bureau of Standards recommendations on the lead equivalent of radiopaque protective materials. No effort is spared to certify every XRP product's ability to provide utmost protection at all times.

Specify XRP when ordering future protective devices and you'll be sure you're getting materials that are radiographically checked for quality—that offer unusual durability and far greater comfort.

XRP MASK

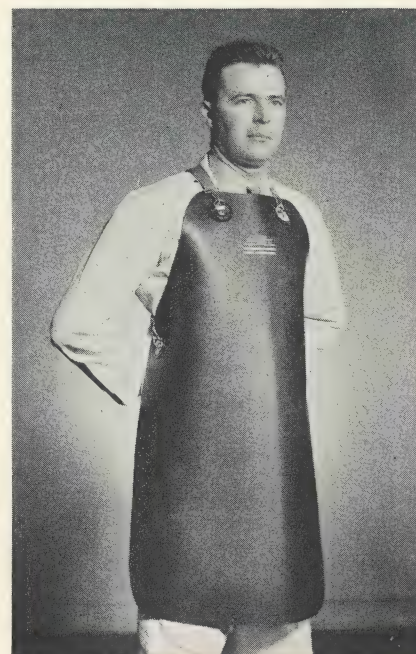


Designed to afford ample protection for the face and eyes without interfering with vision or breathing. Clear lead glass used in the lens is the equivalent of 1.5 mm. of pure lead. The lead-rubber has x-ray protective equivalent of .5 mm. of pure lead.

Cat. No.
E3001A XRP Mask\$13.25

XRP RUBBER APRON

This apron weighs only 10 pounds and is supported by adjustable, easily manipulated straps that distribute its weight uniformly. Snap fasteners at the end of each strap clip onto metal rings. Each ring is strongly reinforced both with a lead rubber and a metal washer all riveted together and to the



apron. This eliminates a weakness of former models — tearing out at the shoulders. Ample body coverage is assured by its generous cut—36 inches long and 24 inches over the lower two-thirds. The crude-rubber XRP sheeting from which the apron is made is dustless, clean to wear and handle, and requires no protective covering. X-ray protection equivalent to 0.5 mm. of pure lead.

Cat. No.
E3014A G-E XRP Rubber Apron.....\$14.00

XRP LEAD LEATHER GLOVES



Durable, yet the most flexible x-ray protective gloves made, G-E Lead

Prices subject to change without notice.

Leather Gloves are made of three superimposed layers of soft chamois-type leather impregnated with a radiopaque material—and then lined with kid skin and covered with soft gray leather. X-ray protection equivalent to 0.5 mm of pure lead. Discriminating safety-conscious radiologists will appreciate the outstanding qualities of this better glove. Length approximately 13 inches.

Cat. No.
E3012B XRP Lead Leather Gloves, size 8 or 9 (specify which), per pair\$30.00
E3012E XRP Lead Leather Glove, Right Hand, size 8 or 9 (specify which) 16.00
E3012F XRP Lead Leather Glove, Left Hand, size 8 or 9 (specify which) 16.00
E3012D XRP Lead Leather Glove, Extra Large, per pair 30.00
E3012G XRP Lead Leather Glove, Right Hand, Extra Large 16.00
E3012H XRP Lead Leather Glove, Left Hand, Extra Large 16.00

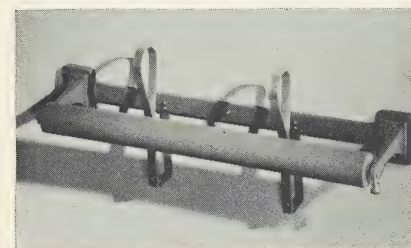
XRP GLOVES LEATHER-COVERED



These gloves are made of XRP material and covered with soft, smooth finished brown leather which improves appearance and increases durability. The x-ray protection equivalent is more than 0.5 mm. of pure lead throughout. Overall length is 15 inches. Weight of each glove is 2¼ pounds. The cuff is sufficiently long to give ample wrist protection. Supplied in sizes 6, 7, 8, 9, and 10.

Cat. No.
E3001D XRP Gloves, leather-covered, size 6, 7, 8, 9 or 10 (specify which) per pair\$25.00
E3001L XRP Glove, Right Hand, leather-covered, size 6, 7, 8 or 10 (specify which) 16.00
E3001M XRP Glove, Left Hand, leather-covered, size 6, 7, 8, 9 or 10 (specify which) 16.00

XRP APRON AND GLOVE RACK



Because of their weight and composition, lead rubber articles should be kept in a cool place, away from strong light, flat, open to the air, and under no strain.

Here's a rack where you can safely and neatly store your lead rubber apron and gloves under such conditions and preserve their useful life. And—they'll be handy to reach when you need them.

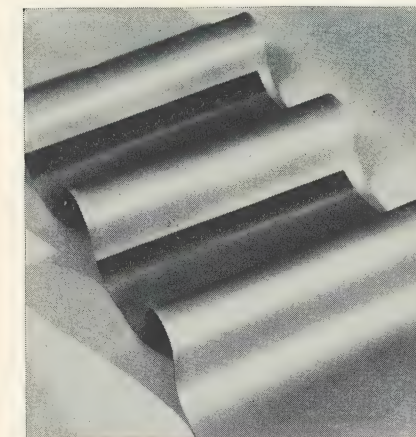
This rack will hold any apron up to 25½ inches in width and any gloves up to 16 inches in length. It is strongly constructed of metal throughout, with mounting plates and roller finished in blue-gray wrinkle enamel and glove supports in polished aluminum. Overall dimensions: 30-3/16" wide, 12" high, 7½" deep.

Shipping weight: 10 pounds.

Cat. No.
E8033A XRP Apron and Glove Rack \$20.00

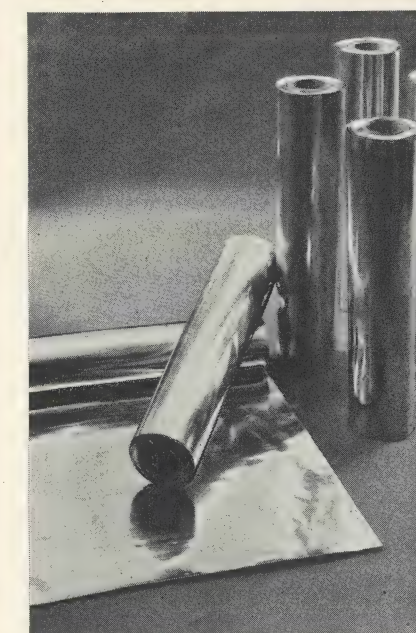
XRP SHEETING

Sheeting can be cut into strips easily adaptable for use in protecting areas surrounding the specific areas under treatment. It can be used in single or multiple layers. XRP Sheeting is 1/16-inch thick—offers x-ray protection equivalent to 0.5 mm. of pure lead—is available in widths up to 36-inch.



Cat. No.
E3001E XRP Sheeting, per square foot, \$ 2.00
E3001F XRP Sheeting, per lineal foot, 36" wide 5.90
E3001G XRP Sheeting, 18"x36" 8.80
E3001H XRP Sheeting, 24"x36" 11.70
E3001J XRP Sheeting, 36"x36" 17.60

X-RAY PROTECTIVE FOIL



This tin-coated lead foil is sufficiently flexible to be easily shaped. Different degrees of protection are afforded by the use of various thicknesses or by the number of layers employed.

Cat. No.
S0031A Light weight, .005" thick (36 ga.), 12" wide, per 6-ft. roll...\$1.50
Per 30-ft. roll 5.00
S0031B Medium weight, .016" thick (26 ga.), 12" wide, per 2-ft. roll... 1.50
Per 10-ft. roll 5.00
S0031C Heavy weight, .036" thick (19 ga.), 12" wide, per 1-ft. roll...\$1.50
Per 5-ft. roll 5.00
Prices subject to change without notice.

UNIVERSAL X-RAY SPECTACLES

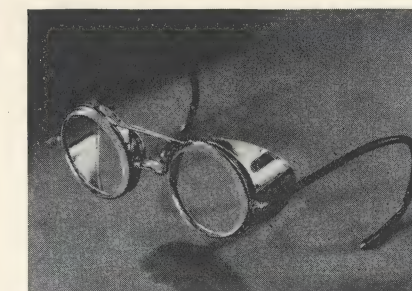


Combination goggles afford protection against x-ray, additional provision being made to exclude light when fluoroscopic work is intended.

Frames are made of nicked metal, provided with adjustable nose piece, fitted with polished, beveled lead glass lenses, and with hinged, superimposed, dark lenses which lock in position when in use or not in use. The adjustment from light to dark is instantaneous. Supplied with regulation flexible tipped temples. The lenses have x-ray protection equivalent to 1.5 mm. of pure lead.

Cat. No.
E3003B G-E Universal X-Ray Spectacles...\$8.25

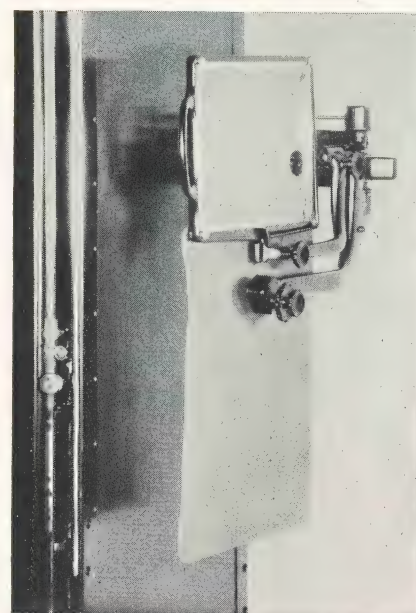
X-RAY PROTECTIVE SPECTACLES



These spectacles are equipped with especially clear lead glass lenses. Rims are of German Silver for durability. The lenses have x-ray protection equivalent to 1.5 mm. of pure lead.

Cat. No.
E3003C X-Ray Protective Spectacles....\$6.50

XRP APRON FOR MODEL 33 TABLE



This apron is designed specifically for suspension from the fluoroscopic screen of the G-E Model 33 Table. X-ray protection equivalent to 0.5 mm. of pure lead.

Cat. No.
E3009A XRP Apron for Model 33 Table. \$80.00

XRP GOGGLE-TYPE EYE SHIELDS



Made of lead, for patient use during treatment of the face, these goggles afford protection equivalent to $\frac{1}{16}$ -inch lead over eyes and eyebrows.

Cat. No.
E3003E XRP Goggle-Type Eye Shields. \$3.30

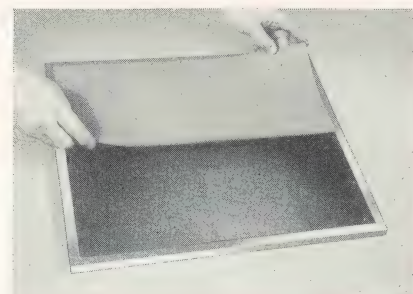
PROTECTIVE EYE SHIELDS



These eye shields are smoothly-finished silver-plated lead cups designed to fit the contour of the eye smoothly and safely. They make it possible to irradiate the eyelid only where necessary, without danger to the eyeball or delicate tissue, and so to treat cancerous tissue or all forms of malignant or non-malignant growths on the eyelid. At 140 kvp with 1 mm aluminum filter, the radiation through a single shield does not exceed 2% of the impinging beam.

Cat. No.
E3011A Eye Shield for placing over eyeball \$ 4.50
E3011B Eye Shield for placing on outside of eyelid 4.50
E3011C Eye Shield with 9 x 10 MM aperture for placing on outside of eyelid 4.50
E3011D Eye Shield with 10 x 12 MM aperture for placing on outside of eyelid 4.50
E3011E Set of Four Eyeshields, including two each of E3011A and B 17.50
E3011F Set of Six Eyeshields, including two each of E3011A and B, and one each of E3011C and D 26.25

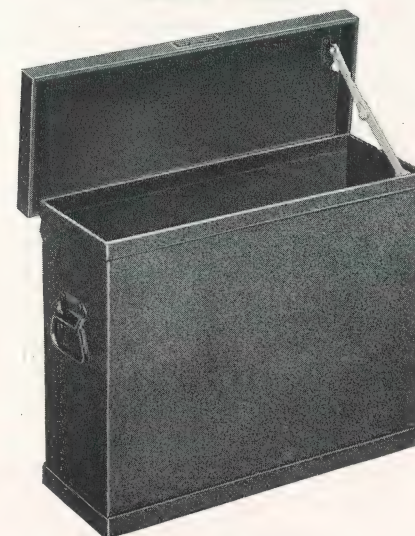
HALF FILM BLOCKERS



For half-film protection and to block fields in therapy. Listing on Page 58.

Prices subject to change without notice.

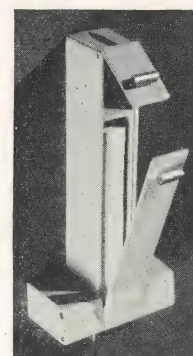
ALL METAL FILM CHEST (LEAD LINED)



This protective chest, with roller base and handle, is listed on Page 58.

DENTAL FILM DISPENSER

This wall-mounted unit is both dispenser and receptacle. Lower compartment holds 1 gross standard size dental films. Slide box can be removed and sterilized. Upper compartment holds a No. 44



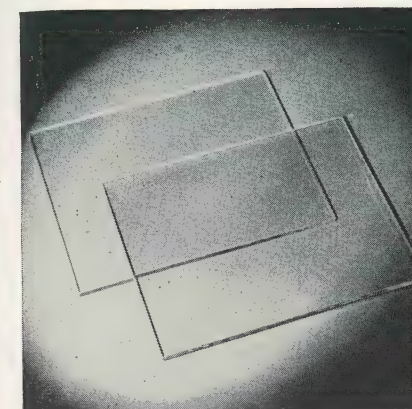
Dixie cup into which exposed films are dropped. Made of gray cast iron finished in cream white. Overall dimensions: $14\frac{1}{2}$ " x $6\frac{1}{2}$ " x $3\frac{1}{4}$ ". Net weight $8\frac{1}{2}$ pounds.

Cat. No.
E3018A G-E Dental Film Dispenser. \$16.50

G-E LEAD GLASS

This lead glass has a minimum lead equivalent of 1.5 mm. at 100 kv. and is carefully polished to insure clear vision. Each sheet is x-ray inspected to guard against nonprotective areas, and carries the G-E monogram together with a statement, etched in the glass, of the minimum lead equivalent.

Approximate thickness of G-E lead glass is $\frac{7}{32}$ "—sheet sizes are standard. If one sheet does not afford sufficient



protection, multiple sheets may be employed with minimum impairment of vision. Special sizes can be furnished and will be cut from the nearest standard size. No allowance can be made for waste pieces of less than standard size. Lead glass is not returnable unless it bears the G-E trade mark and is of standard size. This is our protection against getting into our stock lead glass which is not of the G-E specification.

Protection afforded by G-E lead glass is in strict accordance with recommendations set forth in Handbook HB20, of the U. S. National Bureau of Standards.

Cat. No.		
E3004J	5" x 7"	\$ 4.60
E3004A	8" x 10"	7.65
E3004B	10" x 12"	11.45
E3004C	11" x 14"	16.05
E3004D	12" x 15"	17.30
E3004E	13" x 17"	23.65
E3004F	17" x 26"	46.65
E3004H	2 $\frac{7}{8}$ " x 5 $\frac{1}{8}$ " (for G-E XRP Hand Fluoroscopes E0023A and B) 2.30	

LEAD GLASS BOWLS AND SHIELDS for X-RAY TUBES

All protective bowls and shields listed below have a percentage of lead content equivalent to $\frac{1}{16}$ " of sheet lead. Two of the closed type can be obtained with either transparent or opaque (black) finish, the latter making them light-proof for fluoroscopic work.

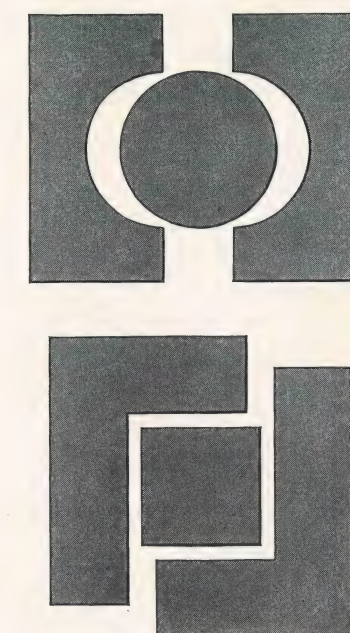
LEAD GLASS BOWL

Cat. No.	
E3007A	Lead Glass Bowl, 7", open type \$20.00
E3007B	Lead Glass Bowl, 8", extra-heavy, open-type 36.00

LEAD GLASS SHIELDS

Cat. No.	
E3008A	Transparent, for bulb-type radiator tubes, except double-focus \$27.50
E3008B	Opaque, for bulb-type radiator tubes, except double-focus. . . 31.00
E3008C	For right-angle dental tubes. . . 20.00
E3008D	Transparent, for Universal tubes 38.50
E3008E	Opaque, for Universal tubes. .40.00

XRP THERAPY FIELD BLOCKERS



For use by the therapist in the shielding of varying sized and shaped fields in radiation therapy, these blockers are made of XRP synthetic-rubber protective material. These blockers are available in 2 thicknesses— $\frac{1}{8}$ -inch and $\frac{3}{16}$ -inch. Each set consists of 3 pieces; either cut from an 18 by 18-inch sheet with approximately a 7-inch circle; or cut from an 18 by 18-inch sheet with approximately an 8-inch square. The $\frac{1}{8}$ -inch material at 100 kv. 2 per cent transmission. The $\frac{3}{16}$ -inch thick material at 140 kv. 0.5 per cent transmission.

Cat. No.	
E3015C	XRP 1/16" thick Therapy Field Blocker, with round port. \$11.50
E3015E	Same as above but with square port 11.50
E3015D	XRP 3/16" thick Therapy Field Blocker, with round port. 14.00
E3015F	Same as above but with square port 14.00

X-RAY PROTECTIVE SCREENS

Designed for use with diagnostic units where an x-ray protective operator's booth is not provided. Provides an area protected from x-rays, 77" high by 34" wide, with a 12" by 15" lead-glass observation window. Protection provided by screen, including window, is equivalent to 1.5 mm. of lead, and extends to within one inch of the floor.

Trimly and sturdily constructed, the

Prices subject to change without notice.



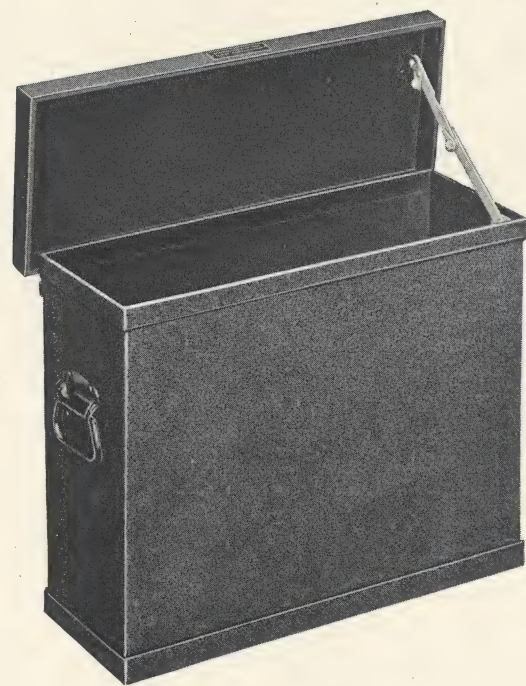
screen proper comprises $\frac{1}{8}$ -inch sheet-lead sandwiched between 2 sheets of 18-gauge lead-coated steel. It is rigidly supported between two 3-inch cylindrical columns with surmounting pieces, and adequately counter-balanced by the base. Base is mounted on 4 easy-rolling cushion-tread casters. Occupying a floor area of $39\frac{1}{2}$ " wide by $26\frac{1}{2}$ " from front to back, the screen may be disassembled from the base, for convenience in shipping or cartage. Except for supporting columns, the entire screen is attractively finished in black wrinkle enamel. Columns are gloss black.

A screen, practically identical with this unit, has been designed for photo-roentgen work. It has two lead-protected boxes for storage of 4" x 5" and 4" x 10" films in holders mounted on the back—one for exposed, the other for unexposed films. If the screen is to be used both with photo-roentgen and other diagnostic units, these boxes may be removed when convenient simply by lifting them off their holders. For a description of this unit see Page 68 in the Photo-Roentgen Section.

Cat. No.	
E3013B	Mobile X-Ray Protective Screen with 12" x 15" lead-glass window \$286.00

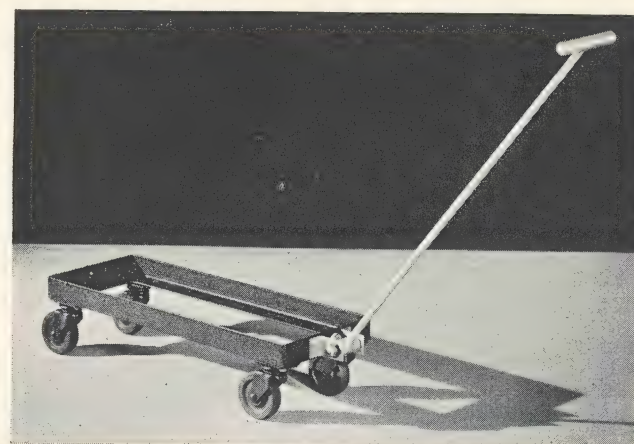
MISCELLANEOUS RADIOGRAPHIC SUPPLIES

ALL-METAL FILM CHEST (LEAD LINED)



The G-E Lead Lined Film Chest can be used for the safe storage of either films or loaded cassettes. Capacity is generous—each chest holds 8 dozen 14- by 17-inch films, or eight 14- by 17-inch cassettes. Constructed entirely of metal, it is lined with $\frac{1}{8}$ -inch sheet lead to render it completely x-ray proof. A brace provides support for the lid when the chest is open. The lid is equipped with an easy-working hinge. Floor of the chest is covered with a sponge-rubber mat to absorb shocks when cassettes are placed inside. Exterior is attractively finished in black wrinkle enamel—interior in flat black.

When the chest is mounted on the roller base available for use with it, and equipped with large, easy-rolling swivel casters, moving loaded cassettes to or from the pro-



Prices subject to change without notice.

cessing room is greatly facilitated. The film chest simply lifts in and out of the base. The base has a cold rolled steel rod handle with cadmium finish. The handle shaft is $26\frac{1}{2}$ inches long with $4\frac{1}{2}$ -inch handle grip and the handle will remain at any position placed so as not to interfere with opening and closing of the chest.

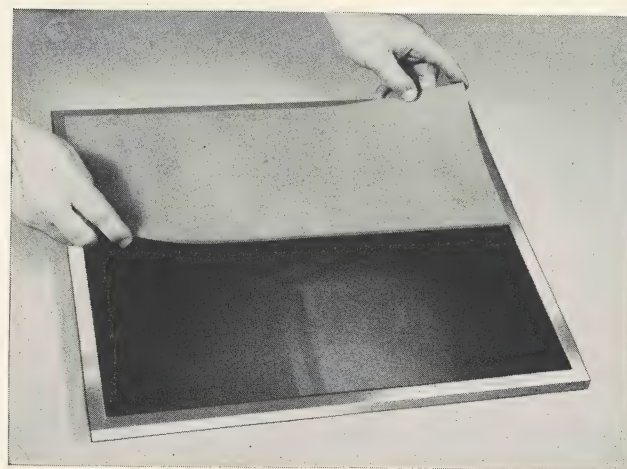
Overall measurements of chest proper: $21\frac{7}{8}$ " long, $20\frac{7}{8}$ " high, $8\frac{1}{8}$ " deep. Shipping weight approximately 102 lbs.; with roller base and handle 117 lbs.

Cat. No.

E3006A G-E All-Metal Film Chest, lead-lined.....\$60.00

E3006D Roller Base with Handle for E3006A Film Chest..... 24.00

HALF FILM BLOCKERS



Safety, durability, and versatility characterize the G-E XRP Synthetic-Rubber Half Film Blocker. It has x-ray protective properties equal to 1.5 mm. of lead, and will not mar table tops, exposure holders, or cassettes. Exclusion of metal

eliminates possible danger from sharp corners or edges. The $\frac{3}{8}$ -inch material will stand up under hard usage; is clean to handle, completely flexible, and comparatively light in weight. Corners and edges cannot be dented or bent. Absence of wood eliminates possible warpage. The G-E Half Film Blocker can be used for all makes of x-ray film exposure holders and cassettes—serves other purposes, such as blocking off fields in x-ray therapy—conforms closely to the surface upon which it is placed.

Cat. No.

E0068A To fit crosswise on 8"x10" cassette or film holder....\$2.25

E0068B To fit lengthwise on 8"x10" cassette or film holder.... 2.25

E0068C To fit crosswise on 10"x12" cassette or film holder..... 2.75

E0068D To fit lengthwise on 10"x12" cassette or film holder.. 2.75

E0068E To fit crosswise on 11"x14" cassette or film holder... 3.50

E0068F To fit lengthwise on 11"x14" cassette or film holder.... 3.50

E0068G To fit crosswise on 14"x17" cassette or film holder.... 5.00

E0068H To fit lengthwise on 14"x17" cassette or film holder.... 5.00

X-RAY CALIPERS



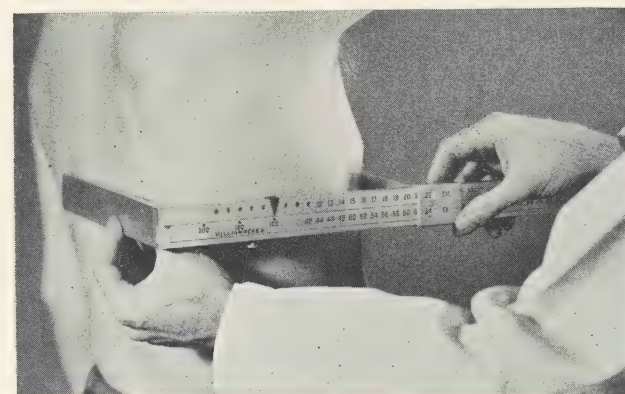
Cat. No.

E8017A X-Ray Calipers (calibrated in cm. and inches).....\$3.50

These calipers are for measuring parts of the body before radiography. They are calibrated in inches and centimeters and will measure any part up to 16 inches in thickness. Made of aluminum, they are light weight and rust-proof. Numerals are black for easy reading.

These X-Ray Calipers are to be used only as a guide in determining the thickness of a part of the body. Because tissue differentiation is usually more important than thickness, they are not advocated as a complete basis for a technic.

KILOVOLT INDICATING X-RAY CALIPER



A fast, convenient, accurate means of automatically determining proper kilovolt value for any chest thickness! It's simple to use—scaled to 100, 150 and 200 milliamperes with exposure time of $\frac{1}{10}$ second and focal-film distance of 72 inches. The two variables are chest thickness and kilovolts.

Find the technic that gave you an ideal chest radiograph on your own machine, lock the slide rule at that setting. Move the sliding bar to find chest thickness of your present patient—and the lower circle will give you the kilovolts to duplicate the radiographic quality. It will save time wasted computing kilovoltages and money wasted on retakes.

It can also be used as a conventional caliper for determining the thickness of any part of the body. However, used anywhere but in chest work, the kilovolt reading has no use.

Precision built of heavy aluminum, light and strong. 18 inches long with 9-inch side bars. Numerals die cast.

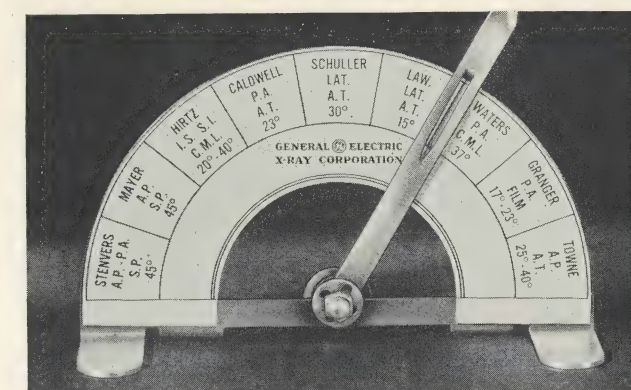
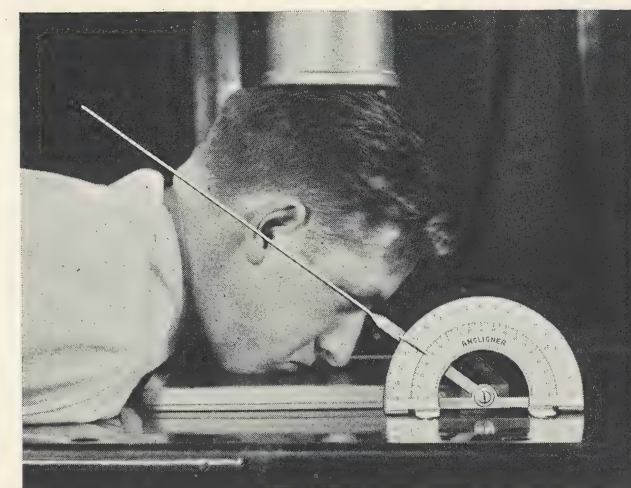
Cat. No.

E8032A Kilovolt X-Ray Caliper (calibrated in Kvp).....\$15.00

Prices subject to change without notice.

THE ANGLIGNER

with manual "RADIOGRAPHY OF THE SKULL"



Close-up of directional side of dial, with technical data.

This "angle aligner"—whose name we have shortened to ANGLIGNER—is actually a protractor with a double-faced dial. On the protractor side of the dial are two scales. One enables you to rotate, extend or bend the head at the proper angle, or angulate the tube. The other helps you to angle the cassette or film holder. On the directional side of the dial are etched names, angulation limits, et cetera, of various positions of skull radiography. You'll use the Angligner for positioning patients, cassettes and tubes in general radiography, too. It is approximately 6 inches wide, 15 inches high when the pointer arm is erect—is strongly built, clearly marked, stands erect without bracing, and is made of stainless steel.

"Radiography of the Skull and Facial Bones"—a 60-page manual by Arturo Silva, published under the supervision of our Technical Services Department—will help you choose and follow the best technic. It discusses common problems of skull radiography, explains general procedures to be followed, and devotes a full page to each of about twenty of the well- or less-known choice technics for radiography of the skull and sinuses. Each page has a drawing showing proper positioning; charts with directions as to kilovolts peak, milliamperes-seconds and distance; and suggestions concerning use of Bucky or cones, angle of tube, type of screen, thickness, etc. The book is $8\frac{1}{2}$ by $13\frac{1}{4}$ inches, has a pliable cover, and comes boxed with the Angligner.

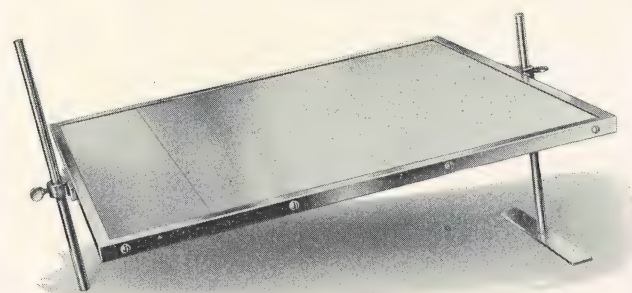
Cat. No.

E8034A Angligner, complete with manual, "Radiography of the Skull and Facial Bones".....\$9.50

ROENTGEN PELVIMETRY APPARATUS

THOMS

The three units listed below are especially designed to carry out the simplified and inexpensive technic of roentgen pelvimetry developed by Dr. Herbert Thoms, of the Yale School of Medicine. They function best used as a group.



The Thoms Centimeter Grid Pelvimeter (above) for measuring the anteroposterior and transverse diameters of the pelvic inlet, is a lead grid encased in a metal frame supported by uprights with thumb screw adjustments and covered top and bottom with plastic. Frame is 14" x 17" and all parts are heavily plated.

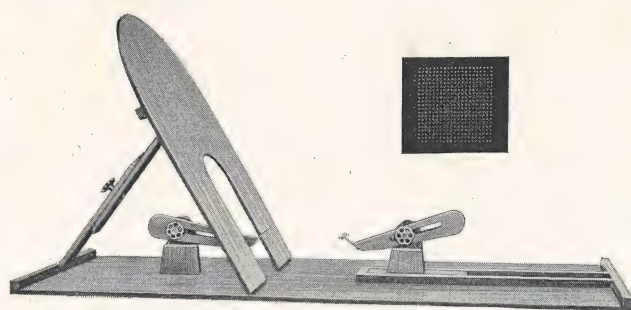
The Thoms Centimeter Scale (not illustrated) for lateral roentgenometry of the pelvis, is attached to a one-piece wooden rod. The base is black enameled.

The Thoms Adjustable Backrest (not illustrated) is light-weight and durable, carefully made of selected wood, and folds flat when not in use.

Cat. No.

E8028A	Thoms Centimeter Grid Pelvimeter*	\$40.00
E8028B	Thoms Centimeter Scale*	25.00
E8028C	Thoms Adjustable Backrest*	25.00
*F.O.B. Torrington, Conn.		

TORPIN-THOMS



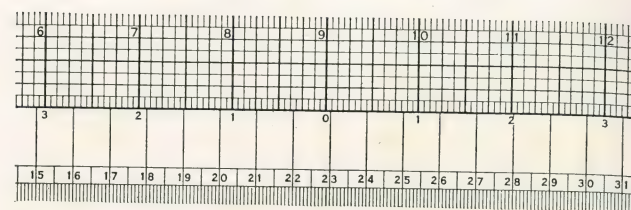
The Torpin-Thoms Roentgen Pelvimeter (above) is a modification of the Thoms method, developed by Richard Torpin of the University of Georgia School of Medicine, in collaboration with Dr. Thoms. It consists essentially of a platform which is placed on the radiographic table, from the middle of which a backrest containing a movable marker rises at an angle of about 45 degrees. The marker may be fixed in an arbitrary position at the posterior end of the patient's external conjugate. A slide on the platform's front is adjustable to correct distance below the pnyphysis pubis. A perforated lead grid is supplied as part of the pelvimeter.

Cat. No.

E8029A	Torpin-Thoms Roentgen Pelvimeter*	\$50.00
*F.O.B. Augusta, Ga.		

Prices subject to change without notice.

TRANSPARENT RULER



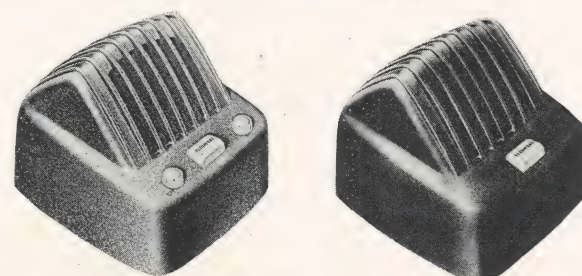
Close-up of small section of ruler—showing detail.

Utilize transparency in measuring a heart shadow or locating anatomical landmarks. Illumination reveals the film image through the ruler. It measures accurately in inches or centimeters. Penciled notations can be made on it and washed off easily. Dimensions 2" x 18".

Cat. No.

E8011B	Transparent Ruler	\$ 1.30
--------	-------------------	---------

THE FLEXIFONE



Remote Station

Master Station

This electronic device is actually a stationary "walkie-talkie"—easy to install, simple to use, convenient for desk installation. Saves steps, time and confusion. Less complex, less noisy and far less expensive than most such devices.

Original unit consists of two stations with connecting cable. Up to five additional stations can be added. The master station contacts any remote station—or all stations at once—simply by pressing the button and speaking in a normal voice. No earphones, dials or buzzers! Remote stations contact master station in the same manner, but cannot talk to each other except through the medium of the master.

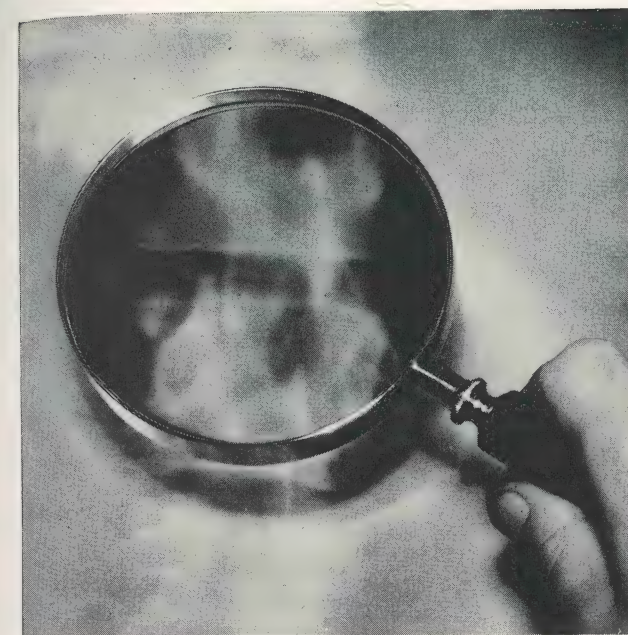
Installed in a fluoroscopic or examining room, the Flexifone enables a doctor to communicate with the outer office. It is also valuable for communication between x-ray department and darkroom, therapy operator and patient, receptionist and various offices under her care or between admission desk and various floors.

Each station is housed in a sturdy metal case finished in gray and is 6³/₄" wide, 7⁷/₈" deep and 5⁵/₈" high.

Cat. No.

R7033A	Flexifone, 105/25-v., 50/60-cy. including one master station, one remote station and 100 feet 3-conductor cable	\$72.10
R7033B	Additional Remote Stations, each	18.10
R7033D	3-Conductor Cable for Flexifone (minimum order 100 feet), per foot	.095

READING GLASS

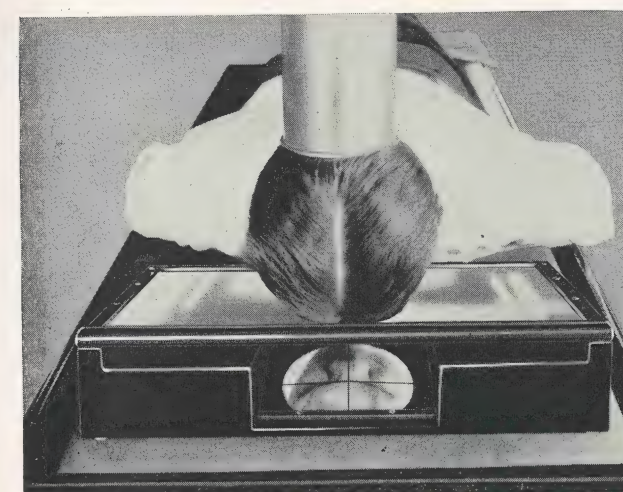


A fine magnifying glass for examining portions of negatives, to guard against missing small, but important details. Has 3¹/₂-inch diameter magnifying lens.

Cat. No.

E8016B	Reading Glass, 3 ¹ / ₂ " diameter lens	\$3.00
--------	--	--------

REFLEX SINUS-MASTOID UNIT



The G-E Reflex Sinus-Mastoid Unit is a composite of various devices and suggested methods for radiography of the sinuses and mastoids. The principle used in the design is that of positioning the part by actual visualization in a reflecting mirror.

The device is comprised of the following parts:

The angle board proper, in which a mirror is so mounted that it reflects a view of the part being positioned on the transparent surface above. Cross-lines on this transparent surface indicate the exact center of the area to be exposed.

Two radiopaque slides, with different size apertures, are for use, interchangeably, immediately below the transparent

Prices subject to change without notice.

top. The smaller apertures are used for the mastoids, the larger for the various sinuses.

The angle board and these two radiopaque slides provide for radiography of frontal and maxillary sinuses in the "chin-nose" position; frontal and ethmoid sinuses in the "nose-forehead" position; the sphenoid in the "open mouth" position; and the mastoids.

A Granger mask and angle changer is also supplied, to facilitate radiography of the sinuses in the Granger position. Radiography of the sinuses is possible in both the lateral and anterior-position projection. Single and stereoscopic films are made with equal facility.

Cat. No.

E8009A	G-E Reflex Sinus-Mastoid Unit, complete with Granger Mask and Angle Changer	\$75.00
E8009B	Granger Mask and Angle Changer only, for use with E8009A	20.00

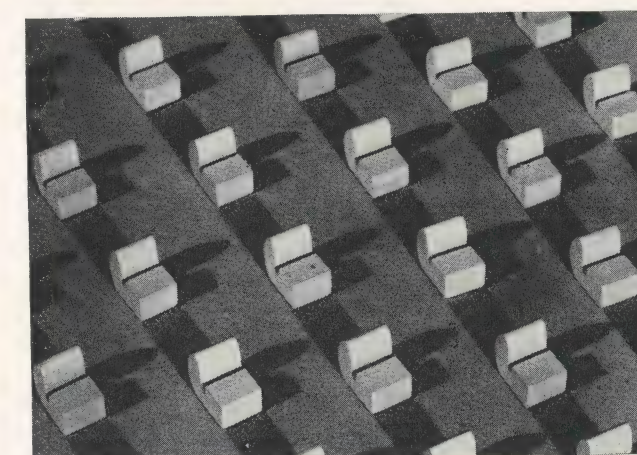
SANITARY PAPER ROLL

For use with dispensers for photo-roentgenographic units or motor-driven cassette changers. Each roll of paper is approximately 170 feet long and is 13 inches wide.

Cat. No.

E8021A	Per three rolls	\$3.00
--------	-----------------	--------

BITE BLOCKS



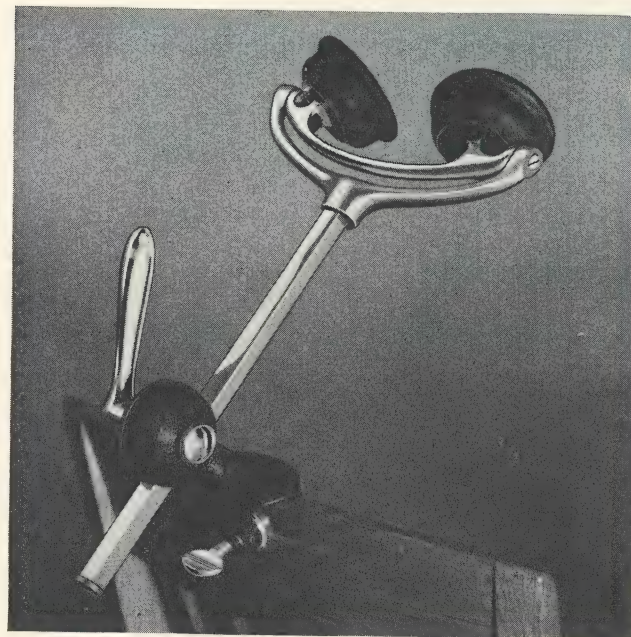
These bite blocks are made of wood, carefully finished to do away with rough edges and slotted to hold dental x-ray films.

Cat. No.

E8002B	Bite Blocks for Bolin Dental Films, per box of 10	\$.25
E8002C	Bit Blocks for G-E, Buck and Eastman Dental Films, per box of 10	.25

CUSHIONED ADJUSTABLE HEADREST

Physicians and dentists will find this cushioned headrest a handy accessory as it affords many advantages of an emergency chair without taking up extra floor space. It can be used for x-ray or emergency treatment, and when needed, all that is necessary is to slip it on to one of the regular office chairs, tighten the clamp (padded to avoid scratch-

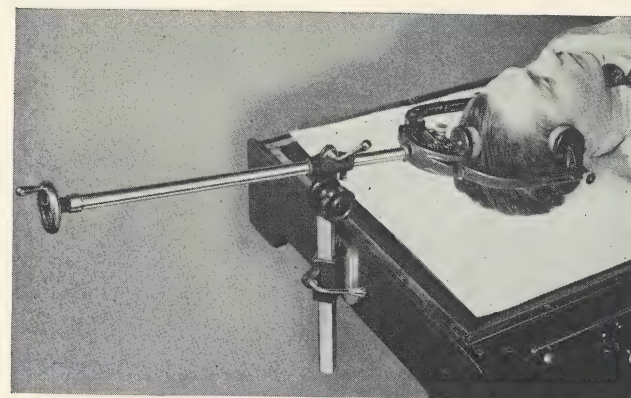


Also serves as an efficient lubricant for any bearing surface requiring a light high-grade oil. G-E Protective Oil is easily applied—contains no harmful ingredients to stain hands or clothing.

Cat. No.

E8025A G-E Protective Oil, 20-oz. bottle.....\$.75

G-E ADJUSTABLE HEAD CLAMP



Accurate positioning and immobilization for skull, sinus, and mastoid radiography is facilitated by this new and improved head clamp—radiographs of finer diagnostic quality are made possible by its use.

The G-E Head Clamp is easily applied in any position—automatically centers the patient to the x-ray table. Jaws and clamps rotate through 360°. The jaws open to approximately 11 inches between the comfortable cork pads—close to 1/2 inch. Entire clamping arrangement is extendable to 26 inches over the table or retractable to 10 inches. Adjustment on vertical column permits raising and lowering through a range of 8 inches. The tubular member on which the jaws are fastened is swiveled, permitting swinging the head clamp up out of the way and locking it in a position at 90° to the plane of the table top. There is a 1/8-inch keeway along the length of the tubular member to provide for locking the clamp in a position where the jaws are parallel to the table top. By merely lifting up on the spring action dog, the clamp can be released and turned to any angle.

The cork pads—approximately 3/4-inch thick—comfortably adapt clamps to the contour of the head. In most cases, the Head Clamp obviates the use of a compression band, thereby eliminating the greatest cause of discomfort.

By means of a base plate, the G-E Head Clamp is readily attached to G-E and other x-ray tables. With base plates installed on several tables, the clamp is easy to use interchangeably.

Finished in rich chrome and black wrinkle enamel, the G-E Head Clamp is precisely and durably constructed.

Cat. No.

E8023A Adjustable Head Clamp, complete with base plate. For use with 32, 36, 38, and 39 G-E X-Ray Tables.....\$100.00

E8023B Adjustable Head Clamp, complete with base and adapter plates. For use with G-E 33 X-Ray Tables..... 100.00

E8024A Extra Base Plate for installation where one Head Clamp is to be used on more than one table or device..... 4.75

E8024B Extra Base Plate and Adapter Plate to permit use of one E8023B with more than one G-E 33 X-Ray Table. 13.00

Prices subject to change without notice.

ing), make any desired forward or backward, up or down position adjustment, and it is ready for use. Patients find it comfortable, as the self-adjusting head pads are of sponge rubber and mounted on a self-adjusting cradle.

Durability and long wear are insured by the use of fine materials and workmanship. The chrome and black wrinkle enamel finish gives the unit an exceptionally attractive finish.

Cat. No.

E8019A Cushioned Adjustable Headrest with Chair Clamp.....\$20.00

CATHODE TERMINALS

For use with bulb-type non-shockproof Coolidge Tubes, these terminals are available in two styles—the swivel-head type insures proper connection at all times, regardless of the angle of the tube—the non-adjustable type for use where a permanent connection is called for.

Cat. No.

C1006A Cathode Terminal, swivel-type.....\$4.50

C1006B Cathode Terminal, non-adjustable type..... 7.00

CORD REELS

These cord reels are perfectly machined and finely finished. Cords are over 8 feet in length, each reel being provided with an evenly tempered steel spring which keeps the cord taut at all times. Available in two models, single and double. The single, enclosed type is for conducting the anode current to the Coolidge Tube. The double, enclosed type is for conducting the cathode current.

Cat. No.

C1613A Cord Reels Single, enclosed type, anode side.....\$8.50

C1613B Cord Reels Double, enclosed type, cathode side.....20.00

G-E PROTECTIVE OIL

An excellent preservative for all plated parts and rust preventative for exposed metal surfaces. Especially suitable for x-ray tube stands and rails, and physical therapy apparatus.

BOOKS • FORMS • CHARTS • RECORDS



MEDICAL RADIOGRAPHIC TECHNIC FILES

This all-around and plainly written book on x-ray technic is the carefully prepared work of a widely-experienced technical service group. Its purpose is: to enhance the diagnostic value of all radiographs—both medical and dental; to properly evaluate, and thus more intelligently employ, the various factors which effect the end result; to obtain in each film that combination of radiographic values which best reveals the information essential to correct interpretation and diagnosis.

This comprehensive work explains fundamentals fully—helps to improve the technic of experienced and beginning technicians alike. It tells exactly what to do . . . how, and why. More than 500 illustrations and diagrams augment the text. The chapter on positioning includes a series of 150 photographs illustrating the important factor of tube-to-patient relationship. Thirty full-page plates reliably depict anatomy, and about 125 diagrams explain the fundamental concepts of current, voltage, resistance, etc. Approximately 150 radiographs are used to point out the factors affecting film quality.

This invaluable book—long and carefully planned—helps the reader to increase his or her proficiency in solving problems in operative x-ray technic—to approach each problem with confidence.

It will make any technician a better technician. It's a book that should be in every hospital x-ray department, in the office of every doctor doing radiography, on every x-ray technician's desk.

Cat. No.

R8012A Medical Radiographic Technic, postpaid.....\$6.50

Prices subject to change without notice.



MASS RADIOGRAPHY OF THE CHEST HILLEBOE AND MORGAN

First book published in the U. S. on the increasingly important subject of mass chest-surveys, this practical manual covers, step-by-step, every detail of mass chest radiography. Fascinating simplifications of technical matters are an outstanding feature. Differential diagnostic "tips" are numerous and clearly brought out. In its almost 300 pages, questions pertaining to mass radiologic procedure are considered and answered with maximum clarity.

Drs. Hilleboe and Morgan are well qualified by experience and position to write on the subject of mass chest-survey. Their extensive knowledge, plus the co-operation of a host of workers in the allied professions of medicine and public health, is incorporated in this long-needed handbook. Informative illustrations—93 of them—accompany the text. Of these, 66 are full-page plates.

Every person who takes any part in a mass chest-survey will find this timely volume instructive, helpful, and unusually interesting. It is new, authoritative, complete—a worthy addition to any medical library.

Cat. No.

R8015A Mass Radiography of the Chest, postpaid.....\$3.50

CHART FOR SWEET'S EYE LOCALIZER

These localization charts are carried in our stock for the use of those persons still using this device for locating foreign bodies in the eye or orbital region.

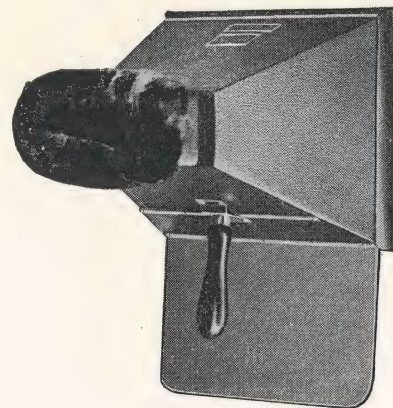
Cat. No.

E8012B Per dozen.....\$2.75

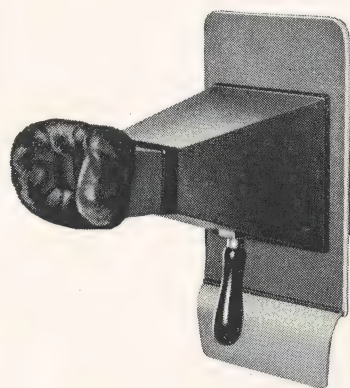
FLUOROSCOPIC ACCESSORIES

PATTERSON HAND FLUOROSCOPES

These hand fluoroscopes were developed in response to a demand for an instrument providing a greater degree of protection to the operator. Each has Patterson Type B screens, glass with minimum lead equivalent of 1.5 mm, shields with equivalent of 0.5 mm lead, and weighs 6 pounds.



The 8"x10" unit has a screen completely protected by the best quality ground and polished lead glass in a dust-proof unit. The hood is constructed of laminated wood providing maximum strength with minimum weight. It is finished in black leatherette. A well-made eyepiece formed to fit the face excludes all light. To prevent dust from entering and settling on the lead glass, a piece of clear glass is mounted directly in front of the eyepiece. A rubber shield affords additional area of protection.

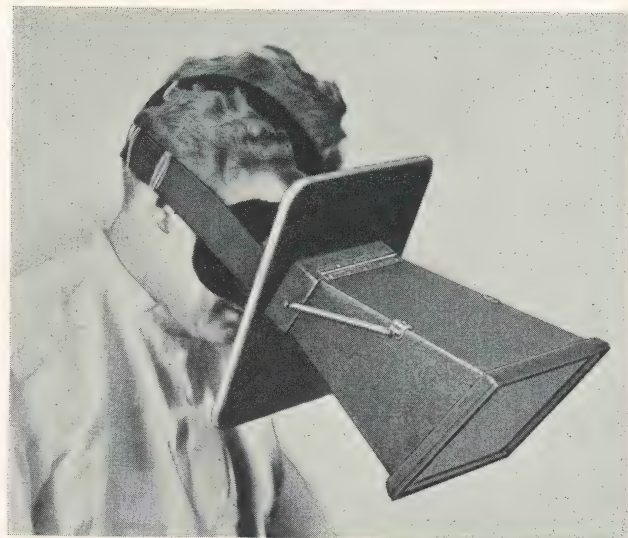


The 5"x7" model is similar to the 8"x10" described above, with the addition of a lead-protected shield about the hood and lead rubber shield at the bottom. This gives a wide area of protection also.

Cat. No.	
E0023D	8"x10" Patterson Hand Fluoroscope with lead rubber shield and Type B screen.....\$80.00
E0023E	5"x7" Patterson Shielded Hand Fluoroscope with Type B screen..... 49.50

Prices subject to change without notice.

PATTERSON OPERATING FLUOROSCOPE



Designed to permit freedom of the user's hands during fluoroscopy, this fluoroscope may be worn for long periods of time without discomfort. This is made possible by the headband arrangement that assures accurate fit, and by the proper suspension of the instrument itself. When not in use, the screen housing may be tilted back against the head, in which case a piece of ruby glass shuts out white light and maintains eye-accommodation for further fluoroscopic work.

The unit fits closely yet comfortably the region about the eyes—shuts out all external white light, thus eliminating image blurring. Lead glass inside the housing protects the eyes against x-radiation.

Cat. No.	
E0025D	Patterson Operating Fluoroscope with 5"x7" Type B Screen\$67.00

PATTERSON FLUOROSCOPIC SCREENS

The Patterson Type B Fluoroscopic Screen is recognized by practically all roentgenologists as the most durable for this work. These Screens are characterized by greater visibility of detail, more brilliance, and higher contrast with consequent better diagnostic value and less effort.

Greater brilliance of the Patterson Type B Screen permits a considerable voltage reduction, thus improving contrast and reducing blurring due to secondary radiation. Its response to x-rays is particularly strong. This makes the small region of absorption relatively brighter and further improves contrast. Lower energies permissible with this screen reduce patient exposure to x-rays—increased tube life. Soft green color of the screen lessens eye strain and makes for easier eye accommodation.

Cat. No.		Cat. No.	
E0026A	5"x7"\$13.00	E0026D	11"x14"\$57.00
E0026B	8"x10" 30.00	E0026E	12"x16" 72.00
E0026C	10"x12" 45.00	E0026H	12"x18" 81.00
		E0026F	14"x17" 89.00
E0026G	Per square inch of active area* (maximum 18"x26") .40		

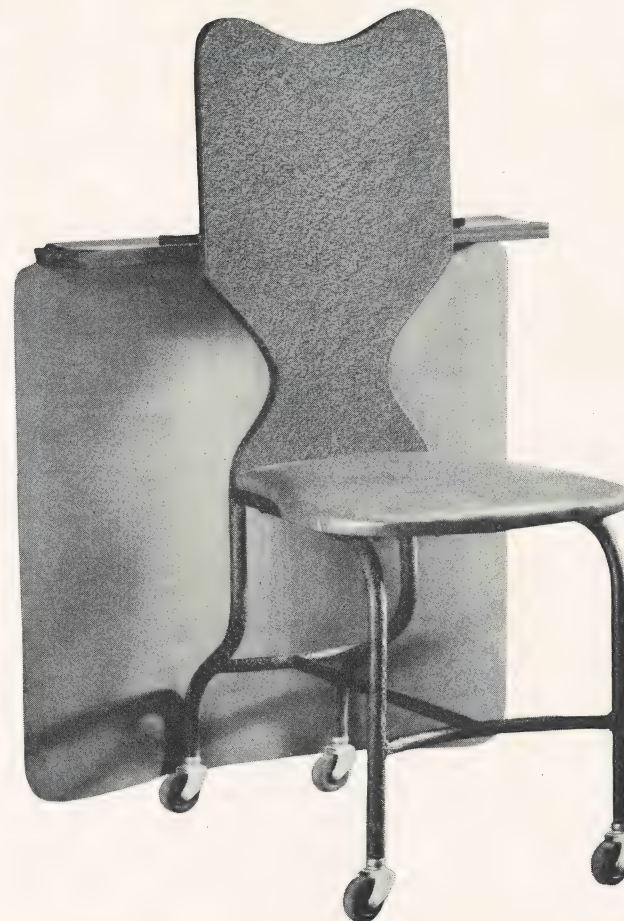
*When ordering give active area and overall dimensions

FRAMES WITH LEAD GLASS FOR FLUOROSCOPIC SCREENS

These frames are made of selected wood, carefully worked and finished, and equipped with regular G-E lead glass which has a protection equivalent of 1.5 mm. of lead.

Cat. No.	
E0028A	Frame and Lead Glass only, for 11"x14" Screen.....\$50.00
E0028B	Frame and Lead Glass only, for 12"x16" Screen..... 55.00

FLUOROSCOPIC CHAIR



Provides operator with adequate protection while seated at the fluoroscope, and eliminates use of rubber apron during that time.

Doctor sits facing the protective breastplate which gives him protection equivalent to 1.5 mm of lead, with the lead rubber sheeting providing 0.5 mm lead protection from the apices of the shoulders to the ankles.

The chair has a welded tubular frame mounted on hard rubber casters, and is finished in black wrinkle enamel. The seat is leather-covered.

Overall dimensions: 40 1/4" high, 28" wide, 23 3/4" deep. Seat approx. 18 1/2" from the floor. Rubber shield from approx. 28" to 2" from the floor.

Weights: net 43 pounds; shipping, 100 pounds.

Cat. No.	
E3017A	Fluoroscopic Chair.....\$60.00

Prices subject to change without notice.

G-E DARK-ADAPTOR MONOGOGGLES



These unusually light weight goggles employ a special filter, developed originally by the U. S. Army Air Forces to pre-condition pilots' eyes for night flying. Worn approximately 30 minutes before entering the fluoroscopic room, they provide complete eye-adaptation that assures utmost diagnostic certainty. Unlike previous darker types of goggles, they permit the wearer to continue all ordinary activities, except interpreting films. In addition to their time-saving feature, G-E Dark-Adaptor Monogoggles give far greater eye-sensitivity than models previously obtainable—may be worn over regular spectacles, offer unobstructed side vision, and are ultraviolet protective. They are not x-ray protective.

Cat. No.	
E3003G	G-E Dark-Adaptor Monogoggles\$2.75

PALPARIUM SPOON



The Palparium Spoon is the Holtznecht type. Shaft and spoon are made of selected hardwood and the handle is aluminum. A metal ring on the spoon serves to locate the contact portion on the fluoroscopic screen.

Cat. No.	
E8015A	Palparium Spoon ..\$13.25

SKIN MARKING PENCIL

This pencil makes it easy to outline an anatomical area on the skin. Very little pressure is required for marking; the color of the marking is black and being of a semi-permanent nature does not rub off easily. The tip is protected by a cap, and the pencil may be sharpened as readily as the ordinary type.

Cat. No.	
E8014A	Skin Marking Pencil\$.25

RUBYLITE

Rubylite wall paint is well suited to fluoroscopic room walls as it is a means of avoiding eye-shock and lessens the time of eye-accommodation. In addition to the visual aid it provides, Rubylite's coral color lends a cheery tone to the room—is outstanding for its glossy, tough, durable quality.

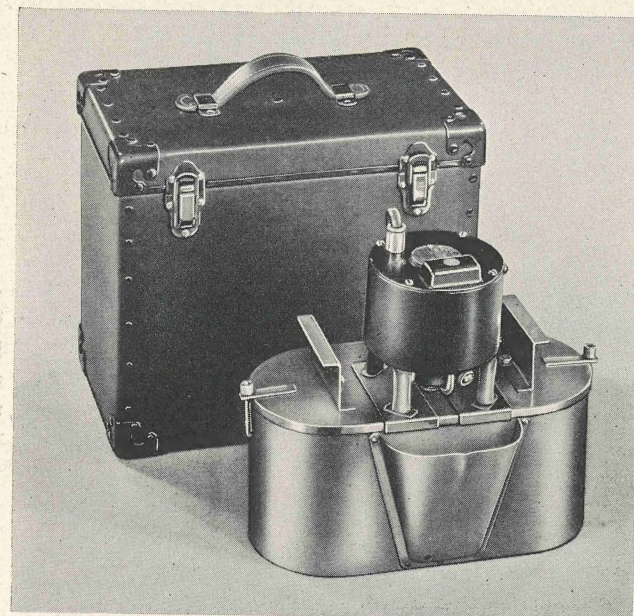
One quart of Rubylite covers 100 square feet of wall surface.

Cat. No.	
E1025A	Rubylite Wall Paint, per 1-qt. can.....\$ 2.25
	Per gal. (4 1-qt. cans) 8.00

PHOTO-ROENTGEN SUPPLIES AND ACCESSORIES

The supplies and accessories listed on these pages are for use in T-B case-finding programs, with permanent, transportable or mobile units, and with 4"x5", 4"x10" and 70mm cut film and 70mm roll film. Films and chemicals are listed in their separate sections elsewhere in the catalog, as are other supplies adapted both to general radiographic and photo-roentgen work.

DEVELOPING UNIT FOR 70MM PHOTO-ROENTGEN FILMS



This Smith-Fairchild Processing Unit is a compact, portable device designed to process 70mm roll-film in lengths up to 100 feet. It consists of four essential parts: The *stainless steel developing tank* 5 inches wide, 11 inches long and 5 inches deep, holds about 7 pints of fluid and has light-tight vents through which the various solutions can be poured in and out without opening the tank. A *tank cover and reel assembly*, with G-E synchronous reversible motor operating from a 110-volt 60-cycle power supply, passes the entire length of film through the various solutions, reversing as the end of the film is reached. The cover assembly is then removed and, with motor running, the *washing tube with 3 feet of connecting hose* permits water to flow freely over the tank edge, completely washing all solutions from the film. The entire process takes approximately 45 minutes. When not in use, the entire unit is packed in a *carrying case*. Its small, compact size and simplicity of operation make it easy to use anywhere.

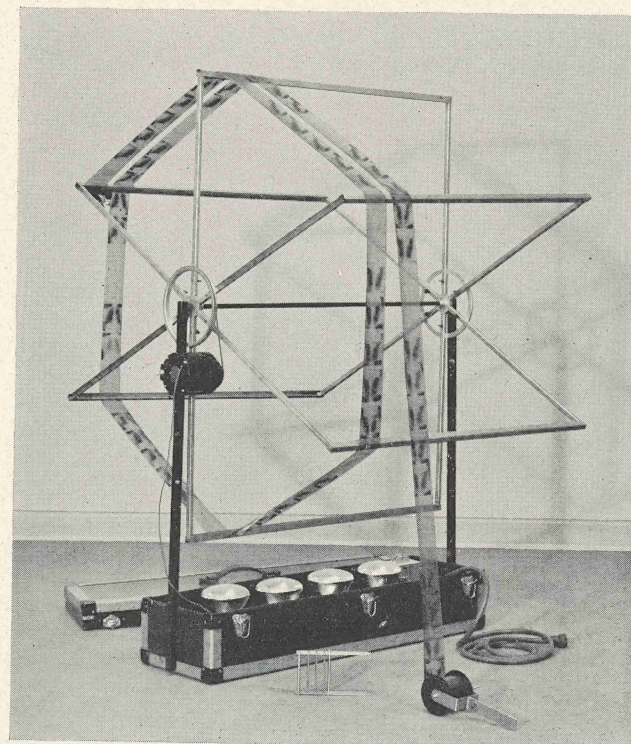
Cat. No.	
E1058A	Smith-Fairchild Processing Unit, 115-v, 50/60-cy, complete with carrying case.....\$237.00
E1058B	Spare Solution Tank, without inlet-outlet device (for use when volume of processing makes necessary the use of a separate tank for each step)..... 22.50

Prices subject to change without notice.

SMITH-FAIRCHILD SEMI-AUTOMATIC DRYING UNIT

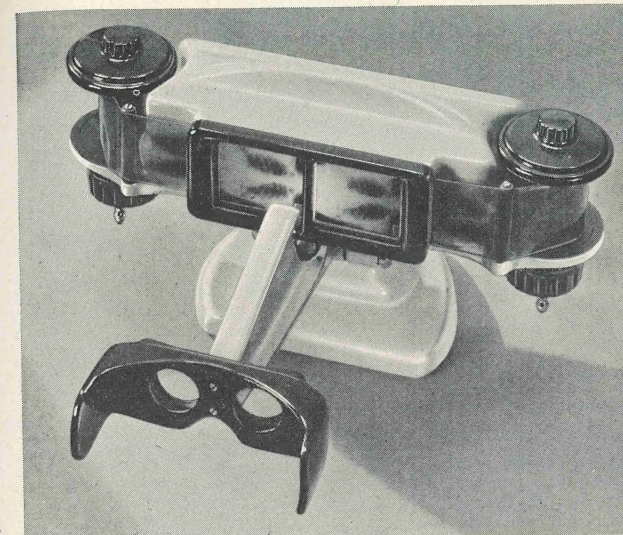
This unit makes it possible to dry a 100-foot roll of 70mm film in about twenty minutes. It consists of: an all-metal motor-driven rack upon which the film is wound; four 250-watt infrared lamps, mounted on a metal base, whose heat dries the film as it rotates above them; a small frame with squeegee that removes excess water from the films; a hand crank to wind the film onto the storage reel; and a carrying case 40 inches long, 12 inches wide and 10 inches deep into which the dismantled unit is packed. Combined weight is only 50 pounds. Operates on 105/120-volt, 50/60-cycle current, load 1025 watts. Has 10-foot line cord and independent circuit for lamps and motor. Reel constructed to compensate for the 8 inches per 100 foot shrinkage of film. A thoroughly satisfactory dryer for a very ticklish job!

Cat. No.	
E1059A	Smith-Fairchild Semi-Automatic Drying Unit, 105/120-v, 50/60-cy, complete with carrying case.....\$229.00
E5036A	250R 40/4 reflector, 115-v Infrared Drying Lamp.... 1.35



G-E 70MM ORTHOSTEREOSCOPIC VIEWER

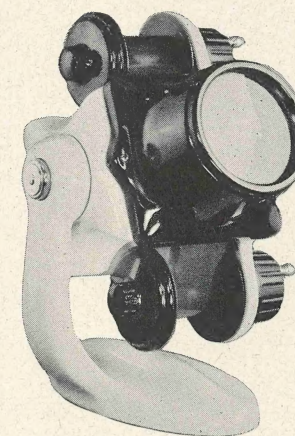
This unit produces a three-dimensional effect through application of correct optical principles—not illusions nor less accurate methods. It incorporates an optical system comparable with the finest prism binocular, and produces an image similar to that of a 14"x17" film viewed at a



40-inch distance. Two 6-watt fluorescent lamps provide adequate illumination. The film is held flat between two pieces of glass. The front one is hinged and tips back to permit loading. Each reel accommodates 100 feet of film, which may be drawn through in either direction. By means of a friction joint, the viewer may be tipped to a comfortable viewing position. Most people who wear bifocals will find them unnecessary with this instrument. It is finished in black and cream and is really stereoscopy at its best.

Cat. No.	
E5034A	G-E 70mm Orthostereoscopic Viewer, 110/120-v, 60-cy \$385.00
E5034B	G-E 70mm Orthostereoscopic Viewer, 110/120-v, 50-cy 387.00
E5035B	G-E Mazda Fluorescent Lamp, 6-w, for 70mm Orthostereoscopic Viewers..... .65

G-E 70MM SINGLE FRAME VIEWER



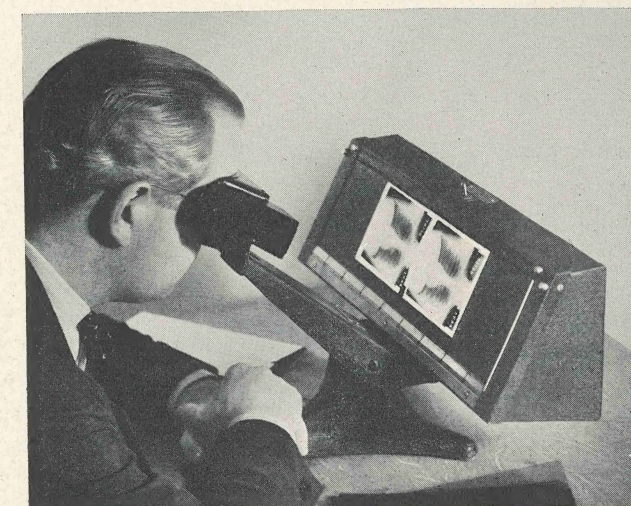
This new viewer makes it possible to view a large number of films consecutively without undue eye strain. It has a lens 4 inches in diameter and optically corrected to give fine definition over the entire film area—with approximately 2X magnification. This lens can be swung to the side to permit viewing without enlargement. Two 4-watt fluorescent lamps not only provide the proper quality and intensity of illumination but are economical to operate.

A friction joint enables the viewer to be tilted to a good viewing angle so you do not have to sit rigid or in an uncomfortable position but can relax and view the film as you would look out a window. A hand crank permits the 100 feet of film to be advanced or reversed at will. The unit is smartly finished in black and cream.

Cat. No.	
E5033B	G-E 70mm Single Frame Viewer, 110/120-v, 60-cy \$275.00
E5033C	G-E 70mm Single Frame Viewer, 110/120-v, 50-cy 277.00
E5035A	G-E Mazda Fluorescent Lamp, Round Dalite, 4-w, for 70mm Single Frame Viewer..... .75

Prices subject to change without notice.

G-E 4" x 5" ORTHOSTEREOSCOPIC VIEWER



This unit employs the same optical principle as incorporated in the orthostereoscope for 70mm films, and has the same distinct advantages for viewing paired films. Here, however, the two 4"x5" stereo images are on a 4"x10" film, properly and permanently spaced for stereo viewing. They can be filed independently along with the case record and be available at any time for reviewing. The flashed opal-glass window uniformly diffuses the light from the 18-inch G-E fluorescent daylight lamp.

Cat. No.	
E5028A	G-E 4"x5" Orthostereoscopic Viewer, 110/120-v, 60-cy, including 5-17 Fluoroline Illuminator with one E5017A Lamp.....\$329.00
E5028B	Same, but for 50-cy..... 331.00
E5028C	Same, but for 110/120-v, dc..... 332.00
E5017A	G-E Mazda Fluorescent Lamp, 18", T-8, 15-w..... .85

5-17 FLUOROLINE ILLUMINATOR for viewing 4" x 5" films

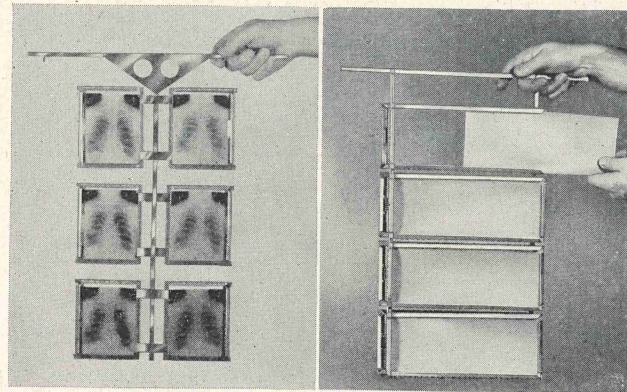


The 18-inch G-E Fluorescent Daylight Mazda Lamp incorporated in this unit and diffused through the white-flashed opal-glass panel, gives just the right quality of light needed to study and interpret film. The unit occupies only 7 by 19 inches desk space, has provision for viewing four 4"x5" films at one time, is angled for easy viewing and, with its all-metal construction and black

wrinkle enamel and chromium trim, is a most durable and attractive illuminator.

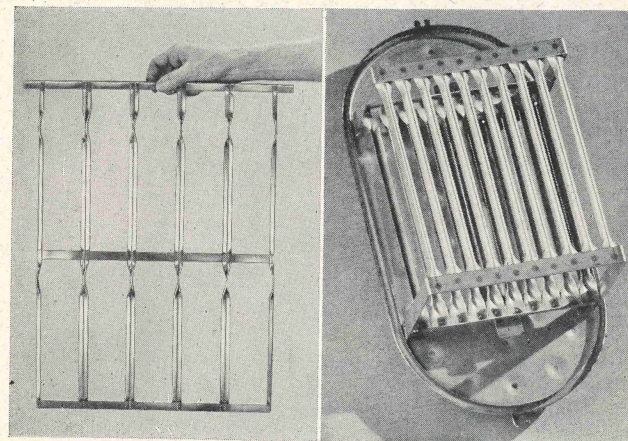
Cat. No.	
E5026A	Model 5-17 Fluoroline Illuminator, 110/120-v, 60-cy, including one E5017A Lamp.....\$20.00
E5026B	Same, but for 50-cy..... 22.00
E5026C	Same, but for 110/120-v, dc..... 23.00
E5017A	G-E Mazda Fluorescent Lamp. 18", T-8, 15-w..... .85

MULTIPLE DEVELOPING HANGERS



For six 4"x5" films

For eight 4"x10" films



For ten 70mm cut films in standard developing tank

For ten 70mm cut films in Smith-Fairchild Unit

These hangers permit the most practical and complete handling of 4"x5" films in groups of six, 4"x10" films in groups of eight, and 70mm x 6 1/2" films in groups of ten—through the entire developing, fixing and drying process. The first three make possible use of standard medical processing tanks and dryers designed for 14"x17" films. Of heavy stainless steel, properly reinforced and welded, each film frame completely encloses the film and is hinged on its outer edge to facilitate insertion and removal of films.

For Standard Developing Tanks

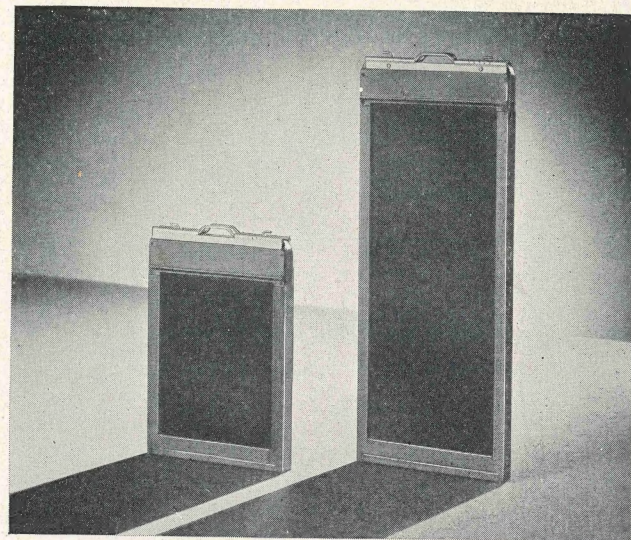
Cat. No.	
E1013V	Multiple Hanger for six 5"x5" films.....\$10.00
E1013X	Multiple Hanger for eight 4"x10" films..... 12.00
E1013AE	Multiple Hanger for ten 70mm cut films..... 11.41

For Smith-Fairchild Processing Unit

Cat. No.	
E1013AF	Multiple Hanger for ten 70mm cut films..... 16.45

Prices subject to change without notice.

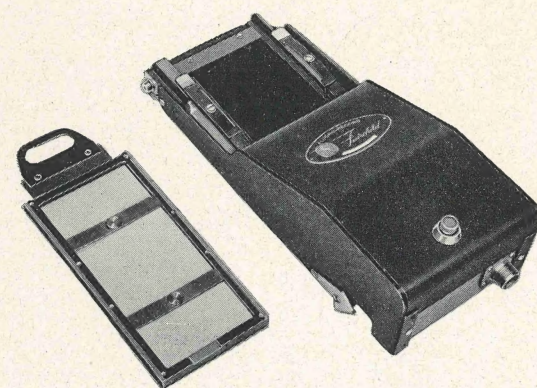
EXPOSURE HOLDERS for 4" x 5" and 4" x 10" films



Designed especially for use with the G-E Photo-Roentgen Unit, these holders are similar to conventional photographic plate holders but have special provision against light leakage. Made of hardwood, flat black enameled, they have slides of metal with aluminum tops and a locking device to prevent shifting of slides. Each holds two cut films.

Cat. No.	
E0051A	Exposure Holder for two 4"x5" films.....\$4.35
E0051B	Exposure Holder for two 4"x10" films..... 7.50

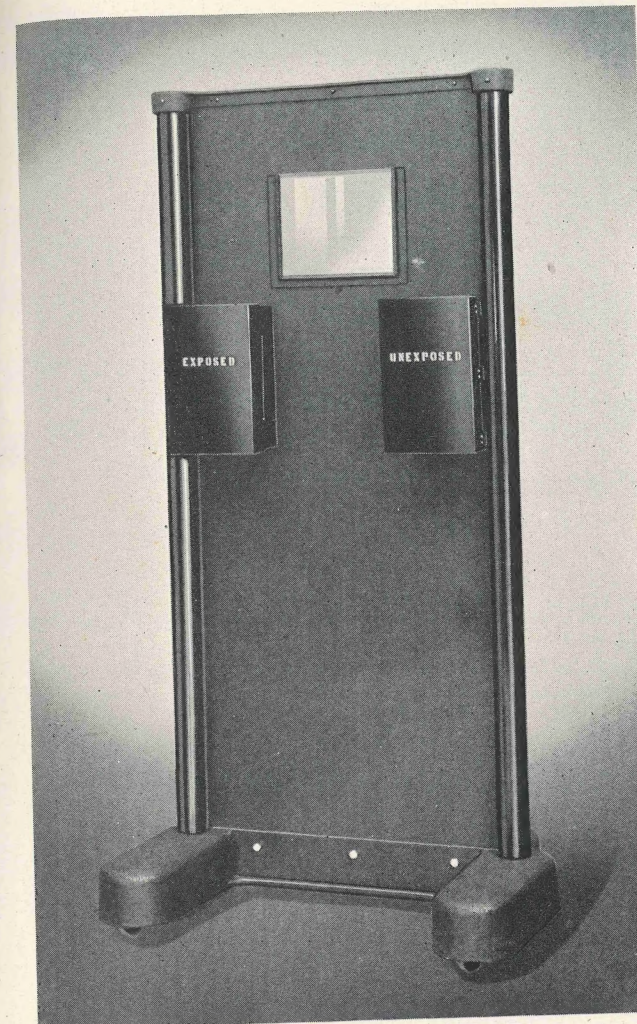
ADAPTER BACK and CUT FILM HOLDER for 70mm film



This Adapter Back is interchangeable with the roll-film magazine of the Fairchild 70mm roll-film camera and permits occasional use of cut film. The holder accommodates one sheet of 70mm cut film (70mm x 6 1/2"), which can be used for two successive exposures or a stereo pair. The film holder is shifted manually for the single exposures and by magnetic release through the control panel for the stereos.

Cat. No.	
B8058A	70mm Cut Film Adapter Back for Fairchild Camera \$137.00
E0094A	Double Film Holder for 70mm cut film (70mmx6 1/2") 21.00

PROTECTIVE FLOOR SCREENS

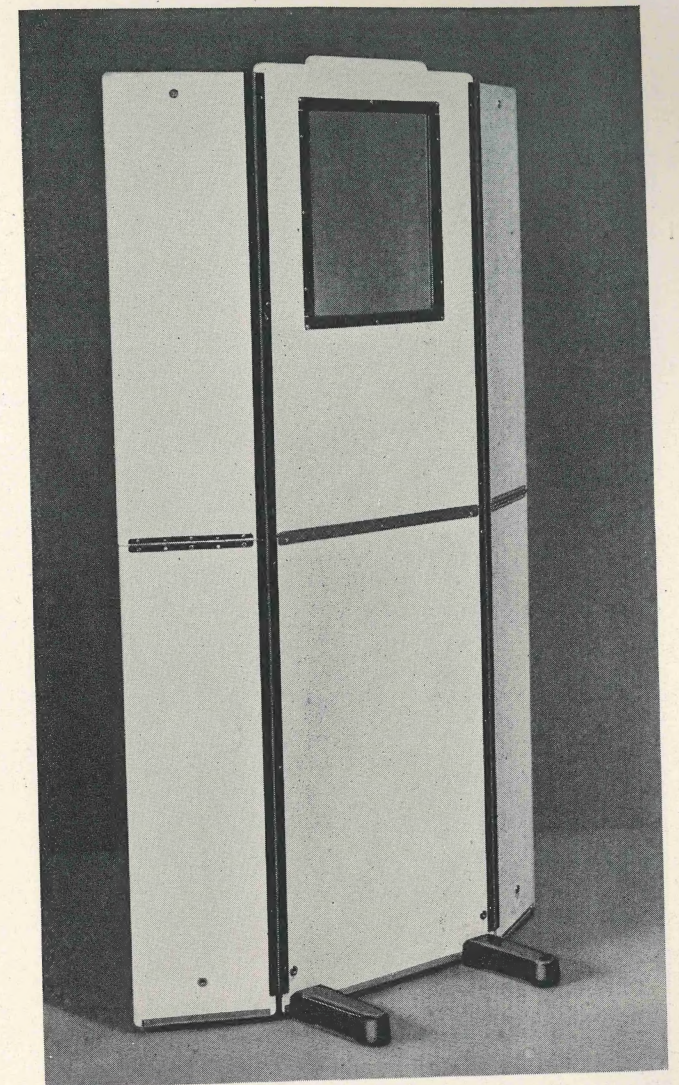


MOBILE X-RAY PROTECTIVE SCREENS

Where an installation does not provide a separate control booth for the operator, x-ray protection can be obtained by the use of a leaded floor screen which can be moved into any desired position to suit the convenience of the operator. This is an adaptation for P-R work of the screen described and illustrated on Page 56, with protection equivalent to 1.5mm lead at 100 kvp. It provides an area of protection 34 inches wide and 77 inches high with a 12- by 15-inch lead-glass observation window. This view shows the back or operator's side of the screen. Here two lead protective boxes, with overlapping covers and spring hinges, are provided for the storage of exposed and unexposed films. This makes them available at all times and still protected from both direct and stray radiation. Each box will hold twelve 4"x10" or twenty-four 4"x5" exposure holders. Mounted on four easy-rolling cushion-tread casters, the screen may be detached from the base for convenience in shipping but otherwise the unit is not knock-down. Finished in black wrinkle enamel with columns and boxes in gloss black. Net weight 420 pounds; shipping weight 590 pounds.

Cat. No.	
E3013A	Mobile X-Ray Protective Screen with 12"x15" lead glass window, and two lead protected storage compartments for 4"x5" and 4"x10" exposure holders \$330.00

Prices subject to change without notice.



PORTABLE AND MOBILE X-RAY PROTECTIVE SCREEN

This screen was designed for photo-roentgen work and meets the requirements of practically all case-finding programs. Of knock-down type for easy transportability, it can be disassembled into three parts without use of tools. It and the control stand of the G-E Model KX-15 X-Ray Transformer will both fit into Case No. 9 of the carrying cases designed for the transportable photo-roentgen unit. An interlocking floor switch incorporated in the base of the unit prevents the x-ray exposure being made until the technician is safely positioned behind the screen. This switch may be interlocked either with the x-ray circuit in the control panel or with an independent circuit to energize the signal light. Mounted on ball rollers, it can quickly and easily be placed in the most convenient position. Has a protection equivalent to 0.5mm lead at 100 kvp.

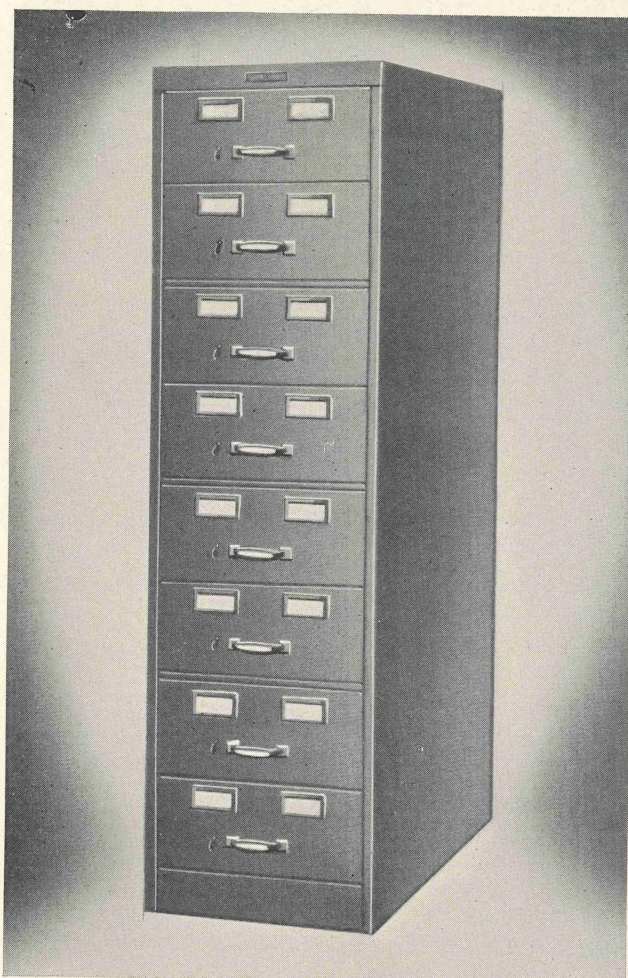
Overall dimensions: 40" wide, 75" high, 18" from front to back. Net weight 84 pounds; shipping weight 173 pounds.

Cat. No.	
E3013C	Floor Model X-Ray Protective Screen, Knock-Down Type, with built-in safety foot switch but less wiring \$330.00

Prices subject to change without notice.

PHOTO-ROENTGEN FILM FILE

for 4" x 5", 4" x 10", and 70mm film



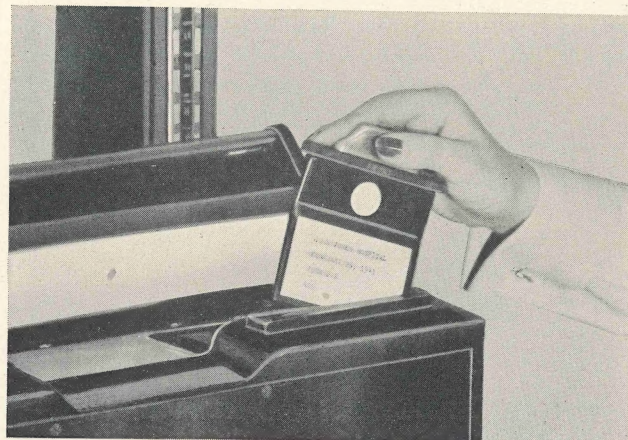
This 8-drawer filing cabinet is available in two models. One will hold 10,000 4"x5" films in negative preservers; the other will hold 5,000 4"x10", 5,000 70mm x 6 1/2" in negative preservers or 144 rolls of 70mm roll-film. Each drawer slides on ball bearings and is equipped with two card holders, a pull handle and automatic drawer latches. The cabinet is of spot-welded fabrication throughout and is finished in olive-green baked enamel. Walnut or mahogany finish may be obtained at 10% additional cost and a slight delay in delivery. Tabbed index guides are available for either model. The tabs are permanently numbered from 100 to 10,000 in steps of 100 and are covered with clear celluloid.

Overall dimensions: 14 7/8" wide, 51 7/8" high, 28 1/2" deep. Inside drawer dimensions: 4"x5" drawer is 5 5/8" wide, 26 3/4" deep, 4 1/2" high; 4"x10" drawer is 10 3/4" wide, 26 3/4" deep and 4 1/2" high.

Cat. No.		
E2011C	Filing Cabinet for 4"x5" P-R Film, with 8 double-compartment drawers.....	\$140.00
	Add for mahogany or walnut finish.....	14.00
E2011D	Filing Cabinet for 4"x10" P-R film, 70mm x 6 1/2" P-R film, and 70mm roll-film, with 8 drawers....	140.00
	Add for mahogany or walnut finish.....	14.00
E2012A	Tabbed Index Guides, 5 1/2"x4 1/4", for E2011C, per set of 100 guides.....	8.00
E2012B	Tabbed Index Guides, 10 1/2"x4 1/4", for E2011D, per set of 100 guides.....	9.00

Prices subject to change without notice.

IDENTIFICATION DEVICES



AUTOGRAPHIC FILM MARKER

Each G-E portable P-R Unit includes two of these as standard equipment. Identification information, typed or written on perforated slips of paper which are inserted into the marker is recorded on the film by fluorescent light at the time of exposure. The 200-foot paper roll is perforated every 2-3/16 inches and makes about 1,000 identification slips.

Cat. No.		
E0086A	Autographic Film Marker including Light Trap, for mounting on Type 3 or 4 P-R Unit.....	\$15.00
E0055A	Autographic Film Perforated Paper Roll.....	1.80

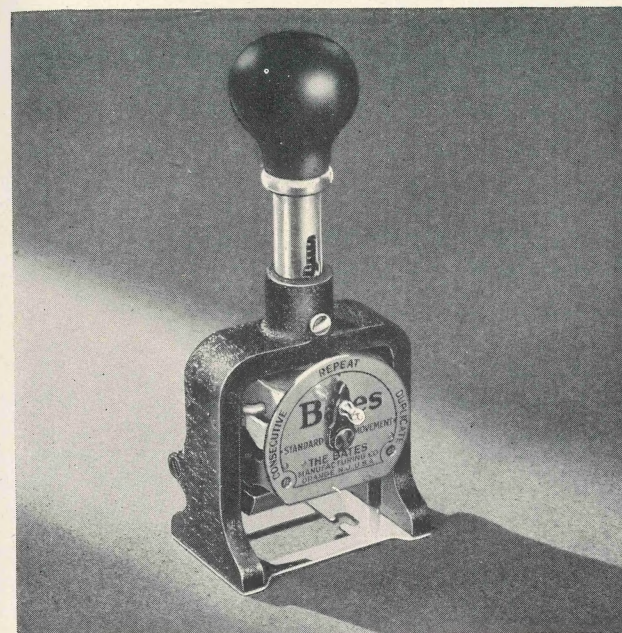
LEAD NUMERAL FILM MARKER



This marker, twelve sets of numbers, and a strong metal box comes with each G-E Photo-Roentgen Unit. Listings here are for replacement or use with older models. The holder mounts on a swing bracket attached to the camera hood. Numerals 5/8 inch high, mounted on plastic tabs 1/2-inch wide and 1-inch high, slide into the six compartments of the marker.

Cat. No.		
E0084A	Lead Numeral Film Marker on swing bracket with twelve sets of lead numerals 0 to 9, and E0095A Metal Box.....	\$22.00
E0084B	Lead Numerals from 0 to 9, (specify how many of each) for Lead Numeral Film Marker, each.....	.07
E0095A	Metal Box for Film Marker and Lead Letters.....	3.00

AUTOMATIC NUMBERING STAMP



If an automatic system of assigning case numbers is desired, this standard Bates Numbering Stamp is the ideal device. It will number automatically from 1 up to and including 999,999. If it is desired to carry the same identifying number on both case history and Autographic Film Marker, it can be set to duplicate, or it can be set for repeat numbering if more than two imprints of a number are desired.

Cat. No.		
E0085A	Automatic Numbering Stamp, 6-Wheel.....	\$22.00
	Add excise tax	1.39

SANITARY PAPER ROLLS

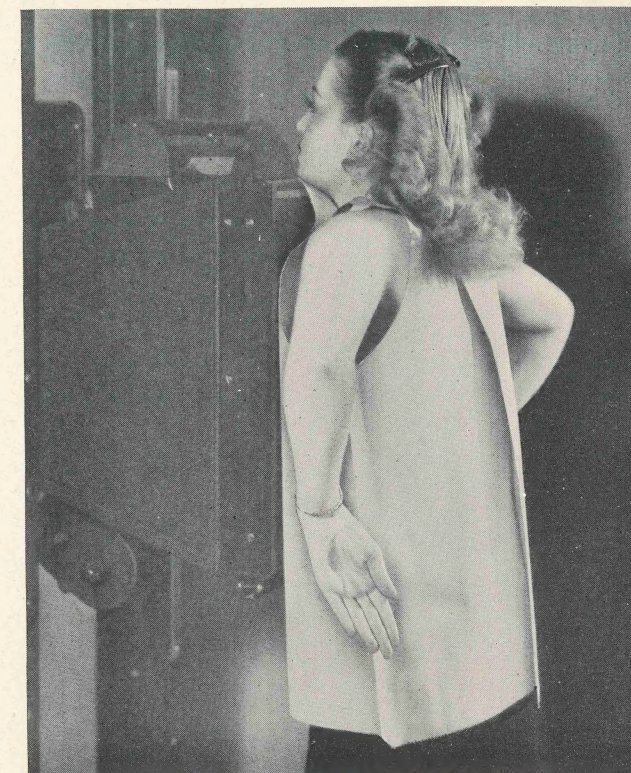


For use on the camera unit of G-E Photo-Roentgen Units, this paper is designed to protect the patient's chin as he rests it on top of the camera hood. Rolls approximately 170 feet long.

Cat. No.		
E8021B	Sanitary Paper Roll, 5 1/2" wide, for present P-R Units, per 6 rolls.....	\$3.30
E8021A	Sanitary Paper Roll, 13" wide, for older P-R Units, per 3 rolls.....	3.00

Prices subject to change without notice.

X-RAY CAPES



These crisply-clean common-sense capes of tough, pliable kraft paper are generously cut to cover even the largest persons, thriftily planned to save time and laundering, easily disposable, ready for use and easily distributed.

Cat. No.		
E8030A	X-Ray Capes, per carton of 500.....	\$23.50

COMPRESSION AND IMMOBILIZING DEVICE

Cat. No.		
C3010G	Compression and Immobilizing Device with adapter casting for P-R Unit.....	\$70.00
T0183E	Cloth Band for C3010G.....	1.25

NEGATIVE PRESERVERS

Of brown kraft with corner imprint for film identification.

Cat. No.		
E2003F	Negative Preservers for 4"x5" films, per 1000.....	\$ 5.50
	per 5000	27.50
E2003G	Negative Preservers for 4"x10" films, per 1000.....	7.75
	per 5000	34.75

FILM-PROCESSING CHEMICALS

Supremix Liquid Chemicals—Developer, Refresher, Fixer, Indicating Shortstop and Wetner are listed on Pages 7 and 8.

PHOTO-ROENTGEN FILMS

4"x5", 4"x10", and 70mm x 6 1/2" cut films and 70mm roll films are listed along with other Ansco, DuPont and Eastman films on Page 5.

BRANCH OFFICES OF GENERAL ELECTRIC X-RAY CORPORATION

General Offices: 175 W. Jackson Boulevard, Chicago 4, Ill.
Factories: Chicago, Ill., and Milwaukee, Wis.

UNITED STATES

Alabama.....Atlanta 3, Ga.....205 Spring St., N.W.
* Birmingham 5, Ala...1921 11th Avenue, S.
New Orleans 13, La....1001 Camp Street
Arizona.....Los Angeles 5, Calif...658 S. Westlake Ave.
* Phoenix, Arizona....505 W. Madison St.
Arkansas.....Memphis 7, Tenn.....778 Madison Ave.
* Tulsa 3, Okla.....114 E. Sixth St.
California.....San Francisco 8, Calif....Four Fifty Sutter
Los Angeles 5, Calif...658 S. Westlake Ave.
* Sacramento 14, Calif.....1107 Ninth St.
* San Diego, Calif.....521 Grape St.
* Fresno 1, Calif.....2012 Tulare St.
Colorado.....Denver 2, Colo.....209 16th St.
Connecticut.....New Haven 6, Conn.....129 Church St.
New York 17, N. Y.....205 E. 42nd St.
Boston 15, Mass...535 Commonwealth Ave.
* Worcester 5, Mass.....84 Lincoln St.
Delaware.....Philadelphia 4, Pa.....3457 Walnut St.
Dist. of Columbia.....Washington 5, D. C....806 15th St., N.W.
* Baltimore 1, Md.....4 W. Eager St.
Florida.....Tampa 2, Fla.....1217 Florida Ave.
Atlanta 3, Ga.....205 Spring St., N.W.
Georgia.....Atlanta 3, Ga.....205 Spring St., N.W.
Idaho.....Salt Lake City 1, Utah.....8 E. Broadway
Spokane 8, Wash....S. 17 Washington St.
Illinois.....Chicago 12, Ill....2012 Jackson Boulevard
Springfield, Ill...1638 So. MacArthur Blvd.
Des Moines 9, Iowa.....405 Sixth Ave.
St. Louis 8, Mo....3724 Washington Blvd.
Indiana.....Indianapolis 4, Ind....320 N. Meridian St.
Chicago 12, Ill....2012 Jackson Boulevard
Cincinnati 2, Ohio.....215 W. Third St.
Iowa.....Des Moines 9, Iowa.....405 Sixth Ave.
Omaha 2, Neb.....1617 Dodge St.
Sioux City 12, Iowa.....308 Iowa Street
Kansas.....Kansas City 6, Mo.....1114 Grand Ave.
Kentucky.....Louisville, Ky.....712 S. Third St.
Indianapolis 4, Ind....320 N. Meridian St.
St. Louis 8, Mo....3724 Washington Blvd.
Cincinnati 2, Ohio.....215 W. Third St.
Louisiana.....New Orleans 13, La....1001 Camp Street
* Shreveport 39, La.....803 Jordan St.
Maine.....Boston 15, Mass...535 Commonwealth Ave.
Maryland.....Baltimore 1, Md.....4 W. Eager St.
Philadelphia 4, Pa.....3457 Walnut St.
Massachusetts.....Boston 15, Mass...535 Commonwealth Ave.
* Springfield 3, Mass.....9 Pearl St.
* Worcester 5, Mass.....84 Lincoln St.
Michigan.....Detroit 2, Mich.....2842 W. Grand Blvd.
Minneapolis 2, Minn...808 Nicollet Ave.
Milwaukee 3, Wis.....547 N. 16th St.
Minnesota.....Minneapolis 2, Minn...808 Nicollet Ave.
* Duluth 6, Minn.....3006 W. 1st St.
* St. Paul 1, Minn.....174 E. Sixth St.
Mississippi.....Memphis 7, Tenn.....778 Madison Ave.
New Orleans 13, La....1001 Camp Street
Missouri.....Kansas City 6, Mo.....1114 Grand Ave.
St. Louis 8, Mo....3724 Washington Blvd.
Montana.....Spokane 8, Wash....S. 17 Washington St.
Nebraska.....Omaha 2, Neb.....1617 Dodge St.
Des Moines 9, Iowa.....405 Sixth Ave.
Nevada.....San Francisco 8, Calif....Four Fifty Sutter
* Sacramento 14, Calif.....1107 Ninth St.
Denver 2, Colo.....209 16th St.
* Salt Lake City 1, Utah.....8 E. Broadway
New Hampshire.....Boston 15, Mass...535 Commonwealth Ave.
New Jersey.....Newark 7, N. J.....10 Third St.
New Mexico.....Dallas 1, Texas.....1719 Pacific Ave.
New York.....New York 17, N. Y.....205 E. 42nd St.
* Syracuse 1, N. Y....1020 W. Genesee St.
Rochester 7, N. Y....277 Alexander St.
* Buffalo 13, N. Y.....960 Busti Ave.
* Elmira, N. Y.....407 Robinson Bldg.
North Carolina.....Charlotte 2, N. C.....210 S. Church St.
North Dakota.....Minneapolis 2, Minn...808 Nicollet Ave.
Ohio.....Columbus 15, Ohio.....40 S. Third St.
Cleveland 14, Ohio.....1783 E. 11th St.
Cincinnati 2, Ohio.....215 W. Third St.
* Toledo 4, Ohio.....420 Madison Ave.
Pittsburgh 13, Pa.....3400 Forbes St.
Oklahoma.....Oklahoma City 1, Okla...627 N. W. 10th St.
* Tulsa 3, Okla.....114 East Sixth St.
Oregon.....Portland 5, Ore....713 S. W. 12th Avenue
* Salt Lake City 1, Utah.....8 E. Broadway
Pennsylvania.....Philadelphia 4, Pa.....3457 Walnut St.
Pittsburgh 13, Pa.....3400 Forbes St.

Rhode Island.....Boston 15, Mass...535 Commonwealth Ave.
South Carolina.....Charlotte 2, N. C.....210 S. Church St.
South Dakota.....Minneapolis 2, Minn...808 Nicollet Ave.
Des Moines 9, Iowa.....405 Sixth Ave.
Tennessee.....Memphis 7, Tenn.....778 Madison Ave.
* Nashville 4, Tenn.....1513 Church St.
Texas.....Dallas 1, Texas.....1719 Pacific Ave.
* Houston 1, Texas.....1312 Live Oak St.
* San Antonio 5, Texas...330 Moore Bldg.
Utah.....Salt Lake City 1, Utah.....8 E. Broadway
Denver 2, Colo.....209 16th St.
Vermont.....Boston 15, Mass...535 Commonwealth Ave.
Virginia.....Richmond 19, Va.....1-D E. Grace St.
Washington.....Seattle 1, Wash.....509 Olive Way
Spokane 8, Wash....S. 17 Washington St.
Portland 5, Ore....713 S. W. 12th Avenue
West Virginia.....Cincinnati 2, Ohio.....215 W. Third St.
Pittsburgh 13, Pa.....3400 Forbes St.
Richmond 19, Va.....1-D E. Grace St.
Baltimore 1, Md.....4 W. Eager St.
Wisconsin.....Milwaukee 3, Wis.....547 N. 16th St.
Minneapolis 2, Minn...808 Nicollet Ave.
Wyoming.....Denver 2, Colo.....209 16th St.
* Salt Lake City 1, Utah.....8 E. Broadway
Alaska.....Seattle 1, Wash.....509 Olive Way

CANADA

Victor X-Ray Corporation of Canada, Ltd.

Alberta.....Winnipeg, Man.....402 Graham Ave.
British Columbia.....Vancouver, B. C.....645 Hornby Street
Winnipeg, Man.....402 Graham Ave.
Manitoba.....Winnipeg, Man.....402 Graham Ave.
Maritime Provinces.....Montreal 25, Que..1538 Sherbrooke St., W.
Ontario.....* Toronto 5, Ont.....30 Bloor St., W.
Montreal 25, Que..1538 Sherbrooke St., W.
Winnipeg, Man.....402 Graham Ave.
Quebec.....Montreal 25, Que..1538 Sherbrooke St., W.
Saskatchewan.....Winnipeg, Man.....402 Graham Ave.
Yukon.....Vancouver, B. C.....645 Hornby Street

EXPORT DIVISION

General Electric Medical Products Co.
135 S. La Salle St., Chicago 3, Ill.
205 E. 42nd St., New York 17, N. Y.

Argentina.....Genelectric Rayos X, S. A.
Buenos Aires.....Calle Juncal 735
Cordoba, Bahia Blanca, Rosario,
Tucuman, Mendoza
Brasil.....General Electric Raios X, S. A.
Rio de Janeiro...Av. N. S. de Fatima 22-A
Sao Paulo, Porto Alegre, Recife, Bahia,
Belo Horizonte, Belem
Colombia.....Genelectric Rayos X, S. A., Inc.
Bogota.....Avenida Jimenez de
Quesada No. 8-74
Barranquilla, Medellin, Cali
Cuba.....Genelectric Rayos X, S. A.
Habana.....Marina 103
Camaguey
*United Kingdom
& Eire*.....Victor X-Ray Corporation, Ltd.
London, W. 1.....15-19 Cavendish Place
Birmingham, Bristol, Dublin, Glasgow,
Manchester
India.....Victor X-Ray Corporation (India) Ltd.
Bombay...Thackersey House, Graham Road
Ahmedabad, Bangalore, Calcutta, Lahore,
Lucknow, New Delhi
Mexico.....Genelectric Rayos X, S. A.
Mexico, D. F....Paseo de la Reforma 265
Guadalajara, Monterrey, Puebla
Puerto Rico.....Genelectric Rayos X, S. A., Inc.
Sanjurjo.....Ponce de Leon No. 74
Uruguay.....Genelectric Rayos X, S. A., Inc.
Montevideo.....18 de Julio 2111

Sales offices also in Australia, Bahama Islands, Barbados, Bel-
gian Congo, Belgium, Bolivia, Canal Zone, Chile, China, Costa
Rica, Dominican Republic, Ecuador, Egypt, Greece, Guatemala,
Haiti, Hawaii, Honduras, Iceland, Iran, Iraq, Lebanon, New-
foundland, New Zealand, Nicaragua, Norway, Palestine, Panama,
Peru, Philippine Islands, Portugal, Rumania, El Salvador, Saudi
Arabia, Southern Rhodesia, Spain, Straits Settlements, Sweden,
Switzerland, Syria, Thailand, Trinidad, Turkey, Union of South
Africa, Venezuela.