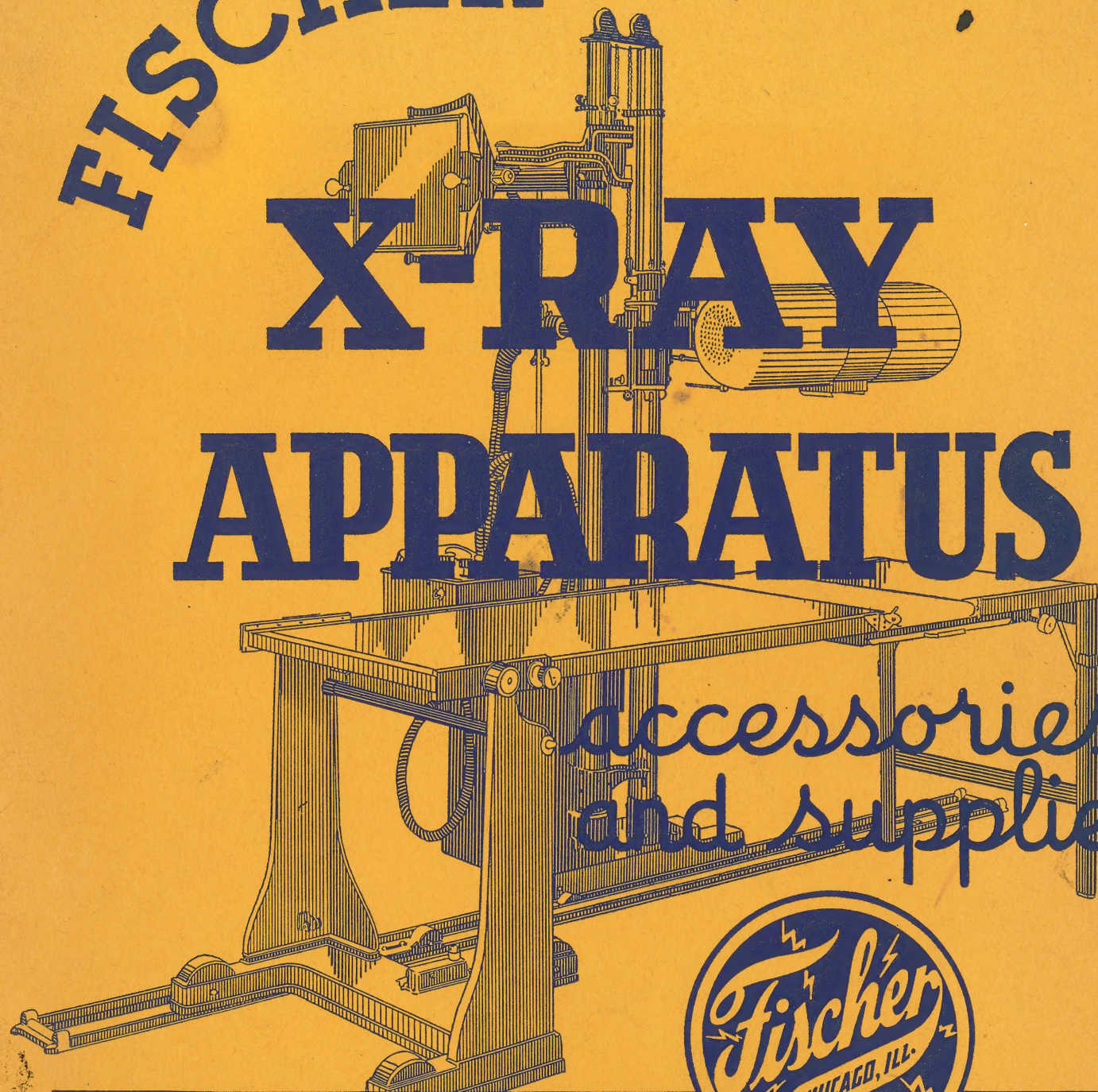


FISCHER

X-RAY APPARATUS

*accessories
and supplies*



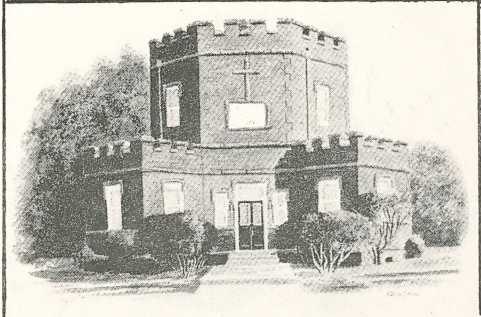
H. G. FISCHER & CO.

X-RAY AND ELECTRO SURGICAL MEDICAL EQUIPMENT

2323-45 WABANSIA AVENUE • CHICAGO, ILLINOIS
CATALOG NO. 33-1936-37

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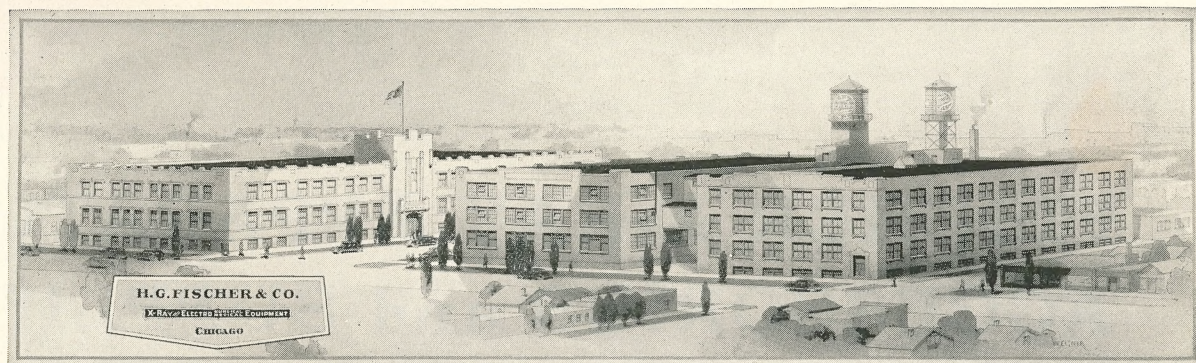
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FISCHER X-RAY APPARATUS ACCESSORIES and SUPPLIES

1936-37 · Catalog No. 33

H. G. FISCHER & COMPANY
2323-2345 Wabansia Avenue · Chicago, Illinois



Home of H. G. FISCHER & COMPANY 2323-2345 Wabansia Ave., CHICAGO, ILLINOIS

The Complete FISCHER Line

The complete FISCHER Line includes X-ray Apparatus (Medical and Dental), Short Wave High Frequency Units, Combination Cabinets, Galvanic Apparatus and Wave Generators, Diathermy Machines, Tissue-cutting Units, Ultra-violet Lamps, Infra-red Lamps, Supplies and Accessories. The FISCHER manufacturing policy requires first that every piece of FISCHER equipment shall equal or exceed in performance every competing unit designed for the same purpose, regardless of price. Second, the unit itself must be priced at the lowest point consistent with quality manufacture.

Organized in 1910, H. G. FISCHER & COMPANY have become one of the largest manufacturers of electro-therapeutic and X-ray apparatus. Their equipment is known today and used the world around. It is a fact worth noting that this company was founded so long ago with small capital, and has been built up to its present proportions without the introduction of outside capital, never undertaking any mergers or reorganizations. We believe this is the only company in the industry where the men who founded it have always been and still are the active heads—where the original ideals of building the most efficient, durable and result-producing equipment possible and selling it at a fair price have been continued throughout the company's history with the same continuity of ownership, management and personnel.

The fact that more than fifty thousand physicians, dentists, hospitals, clinics and universities in the United States use FISCHER manufactured equipment and that virtually all of these over this period have purchased additional FISCHER equipment is evidence that this apparatus can be thoroughly relied upon.

Further, the fact that H. G. FISCHER & COMPANY distributes its products through its own trained, direct, factory representatives not only enables the purchaser to get a great deal more per dollar expended by way of efficient and durable equipment, but at the same time assures to him an extraordinary high quality of service from expert men. Our comparatively small overhead expense and direct factory representation enable us to give the purchaser such value per dollar expended as cannot be excelled by any competitor in the field.

The FISCHER plant is centrally located. Physicians and dentists visiting Chicago are invited to spend as much time as they desire inspecting our newest apparatus or consulting regarding the technics of application. When wanting information, ask your local FISCHER representative or write to our Home Office in Chicago.

FOREWORD

In presenting this 33rd Edition of the FISCHER Catalog of X-ray Apparatus, Accessories and Supplies, it is pertinent to note:

- ... 1 That every effort has been made to include all items needed by the X-ray specialist, medical or dental.
- ... 2 That many competing items are shown, such as screens and films, permitting selections to be made.
- ... 3 That prices have been inserted for the convenience of customers.
- ... 4 And that a handy reference index will be found at the back of the catalog.

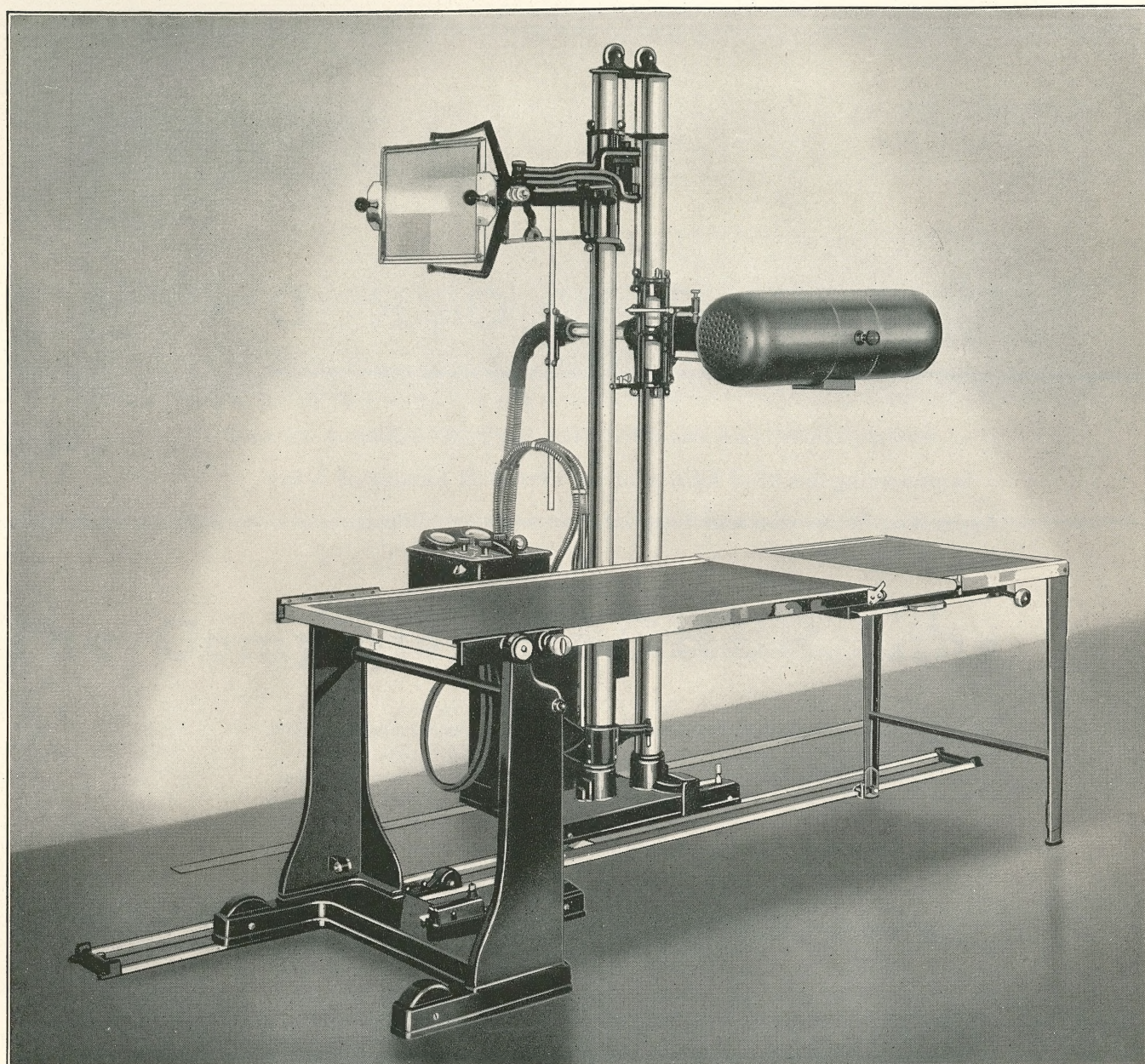
Every piece of apparatus, also all accessories and supplies listed are recommended as highest quality and wholly dependable. It is to be understood, further, that illustrations and descriptions are not binding as to detail, in view of the fact that improvements are constantly being sought and, when found, adopted by the manufacturers.

Orders will always be filled with "the latest model" equipment, accessories, or supplies—new models naturally being superior to the models replaced.

Inquiries for items not catalogued are invited.

NOTICE

Prices quoted are subject to change without notice. H. G. FISCHER & COMPANY makes every effort to give prompt and efficient service. Read page 52 for Instructions on How to Order.



FISCHER MODEL "60-88"

Universal • Shockproof • Diagnostic • X-ray Apparatus

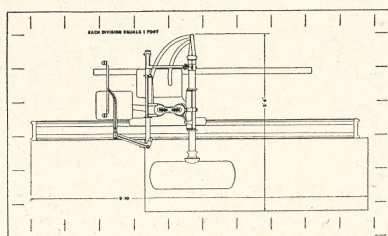


Diagram of space needed for Model "60-88." Unit with table measures, 9½ feet long, 5½ feet wide, 7 feet high. Divisions between small lines perpendicular to border equal 1 foot.

This apparatus represents unquestionably one of the greatest advances in efficient, compact X-ray manufacture ever made available to physicians. It is absolutely shockproof to both operator and patient. Over all dimensions are 9½ ft. long, 5½ ft. wide, 7 ft. high. Any of the positions desired—horizontal or vertical radiography, or horizontal or vertical fluoroscopy—can be arranged as desired. Change from one position to another requires but a few seconds. With the exception of deep therapy, which lies outside the field of radiography and fluoroscopy, and requires specially designed apparatus, this unit will give every X-ray service required by the physician. Superficial therapy is obviously possible. Using modern films and high-speed screens, this FISCHER "60-88" will give a diagnostic service equal to that of any other unit at any price. Designed for physicians' offices, hospitals, sanitariums and clinics. For general X-ray purposes, there is no competing apparatus on the market today that offers so much in simplicity, flexibility, all-diagnostic performance and economy of investment.

The large illustration shows position for horizontal radiography. Other positions are shown in the small illustrations. The uprights are of seamless steel, chromium plated. The track is plated steel. The insulation is sufficient to withstand voltages far beyond anything that can ever develop in actual use. The apparatus as a whole is guaranteed to be exactly as represented and to give the service claimed. It has been built up to FISCHER standards—in reality sets an entirely new standard of X-ray construction and operating efficiency. The simplicity of this unit, using a single tube, fluoroscopic screen, and Bucky diaphragm (heretofore requiring 2 or 3 separate units), and adjusting readily to any requirement, has reduced manufacturing costs to a point where the selling price is exceptional. Physicians who are using this apparatus heartily endorse it as the most outstanding X-ray apparatus available today.

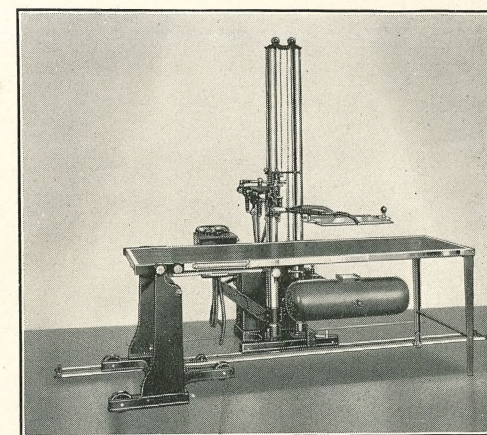
Outstanding Features of STRUCTURE—OPERATION

- 1 This unit is absolutely shock-proof, when properly grounded—safe for both patient and operator.
- 2 Any required position—horizontal or vertical radiography or fluoroscopy—may be arranged instantly—no tools needed.
- 3 Small installation space is required—8 x 10 ft.
- 4 Only the very finest materials are used—the finish is optional—black or ivory and chromium.
- 5 The control unit is equipped with both volt and milliamperage meters. Both milliamperage and kilovoltage variable.
- 6 The FISCHER Synchrotimer and a foot switch go with the unit.
- 7 By means of convenient locking devices, the apparatus can be locked instantly in any desired position.
- 8 A circuit breaker is provided as an additional safety feature.
- 9 This unit will deliver 60 milliamperes at 88 K.V.P. on a 220 volt line—30 milliamperes at 88 K.V.P. on a 110 volt, 60 cycle line.
- 10 The table is a full 78" instead of the usual 72".
- 11 The FISCHER line-focus hot cathode X-ray tube is entirely enclosed in lead glass shield and metal container.
- 12 The fluoroscopic screen measures 12" x 16"—best quality.
- 13 The FISCHER-Bucky diaphragm may be used in either a horizontal or vertical position—or not used as desired.
- 14 This unit provides every service that can possibly be required of an X-ray apparatus, outside of deep therapy, in offices, hospitals, sanitariums and clinics.

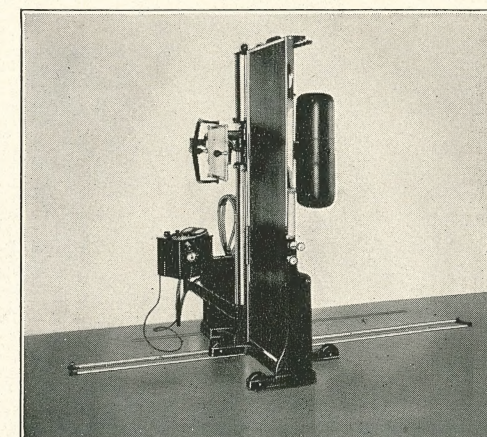
No.		Code	Price
2925	FISCHER Model "60-88" Universal, Shock-Proof, Diagnostic X-ray Apparatus, including table, rails, hot cathode X-ray tube, circuit breaker, meters, Bucky diaphragm, automatic synchrotimer, and foot switch.....	UNSIX	\$1,885.00
2929	FISCHER "60-88" Roentgenographic Mobile Unit (without table, Bucky track or screen).....	OASIS	1,100.00
2930	FISCHER "60-88" Fluoroscopic and Roentgenographic Unit—without table, Bucky and rails	UNMOB	1,325.00
2931	FISCHER Model "60-88"—without table, Bucky and casters, but with rails and rollers.....	HISTA	1,350.00
2934	FISCHER Model "60-88"—without table, Bucky, casters, Fluoroscopic screen, supporting arm and counterweight, but with rails and rollers	HIVES	1,125.00

Can be equipped with Patterson Type "B" screen at slight additional cost.

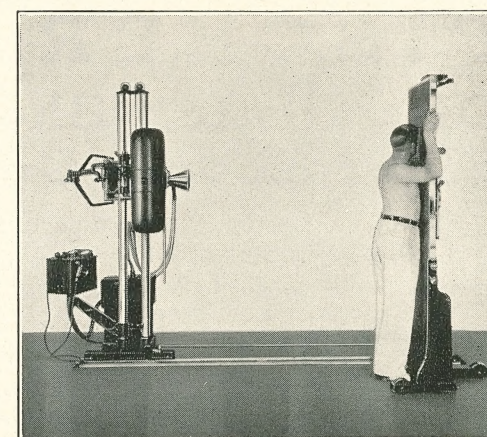
Ask for descriptive pamphlet Form 1408C



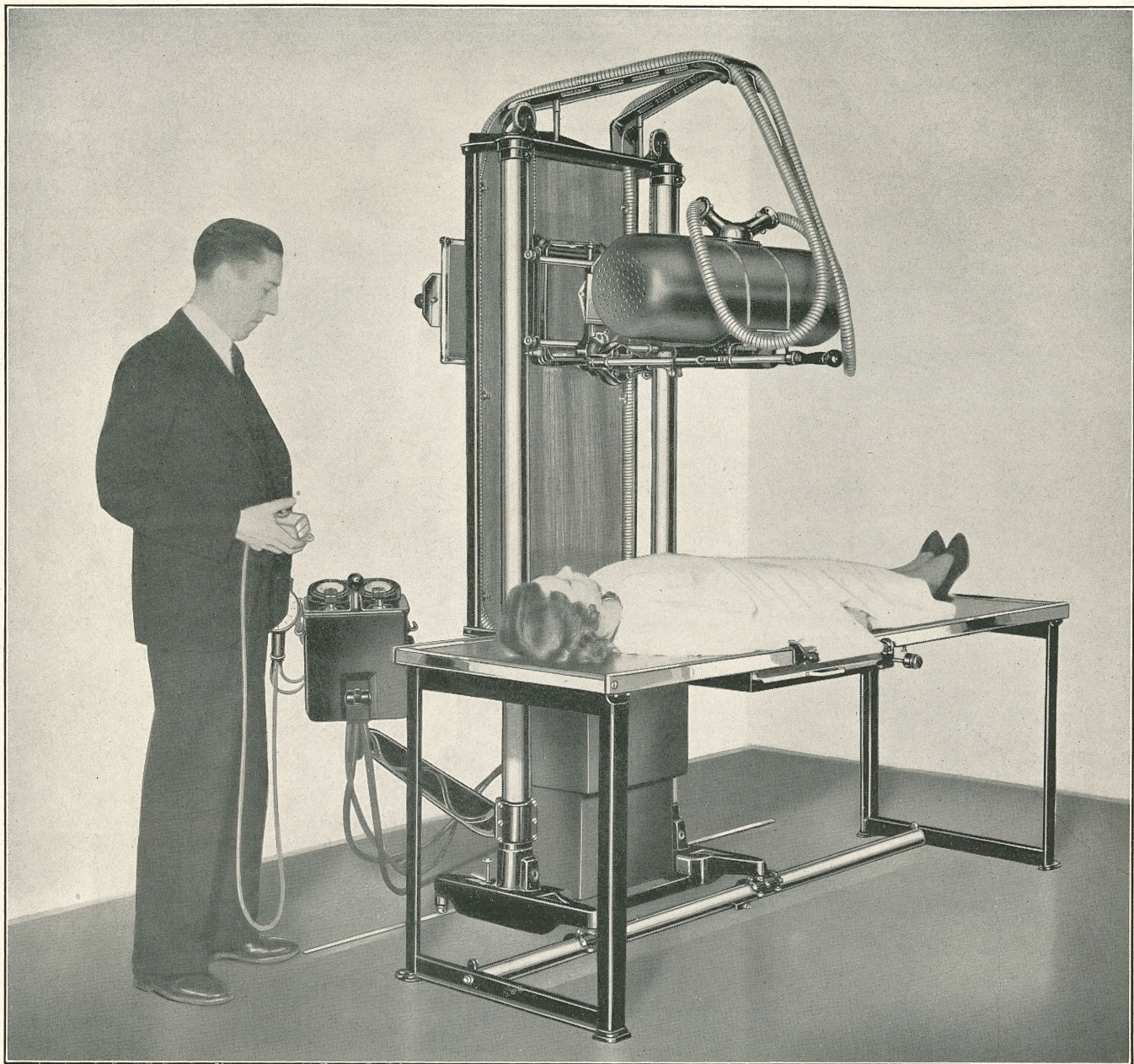
Position for horizontal fluoroscopy. Tube under table. Screen and tube move in unison to any position over patient on table.



Position for vertical fluoroscopy. Table perpendicular. Screen and tube again lock in unison and move as required.



Position for vertical radiography. Tube stand and table at opposite ends of track, full radiographic distance apart. No tools needed for these changes.



FISCHER MODEL "DS-60"

Diagnostic • Shockproof • Radiographic and Fluoroscopic Combination

This model, in structure and performance, is in many ways similar to the FISCHER "60-88". For its purpose, vertical and horizontal radiography, also vertical fluoroscopy, it provides a like efficiency. The main point of difference lies in the fact that the tube-head cannot be lowered under the table. Small space is required for installation, as shown by the diagram. Available without table if desired—see illustration. Changes from one position (or use) to another, can be made instantly. No tools needed. With the exception of deep therapy, this unit will give all radiographic services and vertical fluoroscopy. It is a "60-88" in power—on an adequate 220 volt line it will positively deliver

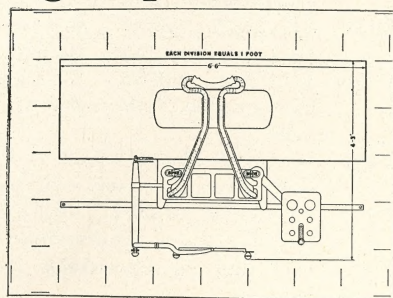


Illustration showing space required for installation of "DS-60." Unit with table measures 6'-6" x 4'-3". Each division between small lines equals 1 foot.

60 milliamperes at 88 K.V.P., or 30 milliamperes on a 110 volt, 60 cycle line.

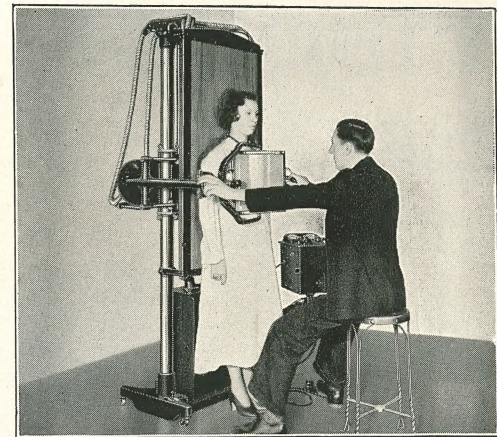
In designing this unit, the intent has been to produce a shockproof X-ray apparatus to meet the needs of any physician, hospital or clinic where price has to be a consideration. It is to be understood, however, that this unit is in no sense cheaply constructed. The high voltage transformer, framework, control box, tube-head, table, screen, cables, and so on are exact duplicates of those used on the FISCHER Model "60-88". The adjoining illustrations show various positions for radiography and fluoroscopy. The massiveness of the unit may be judged in relation to the operators and patients shown in the illustrations.

Features of "DS-60"

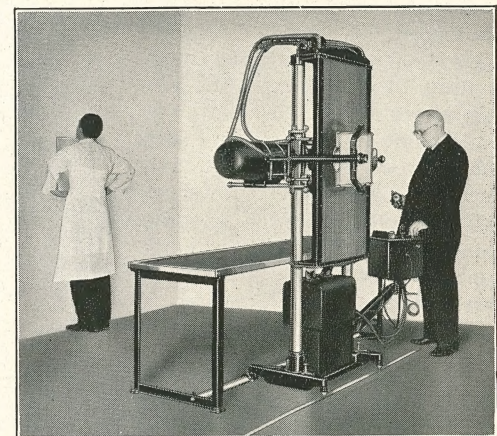
STRUCTURE-OPERATION

- 1 This unit is absolutely shockproof when properly grounded—safe for both patient and operator.
- 2 It gives all-diagnostic radiographic service and vertical fluoroscopy—results of the highest order.
- 3 It delivers 60 M.A. at 88 K.V.P.—ample power for every need.
- 4 Small installation space is required—6 ft. 6 in. long; 4 ft. 3 in. wide; 7 ft. high.
- 5 Only the finest materials are used—the finish is optional, black or ivory and chromium.
- 6 The control unit is equipped with both volt and milliamperage meters. Both kilovoltage and milliamperage variable.
- 7 The FISCHER Synchrotimer and a foot switch go with the unit.
- 8 By means of convenient locking devices, the apparatus can be locked instantly in any desired position.
- 9 A circuit breaker is provided as an additional safety feature.
- 10 The table is a full 78" instead of the usual 72".
- 11 The FISCHER line-focus hot cathode X-ray tube is entirely enclosed in lead glass shield and metal container.
- 12 The Fluoroscopic Screen measures 12" x 16"—best quality.
- 13 The FISCHER-Bucky diaphragm may be used or pushed out of the way as desired.
- 14 This unit provides every service that can possibly be required of an X-ray apparatus (excepting horizontal fluoroscopy and deep therapy) in offices, hospitals, sanitariums, and clinics.

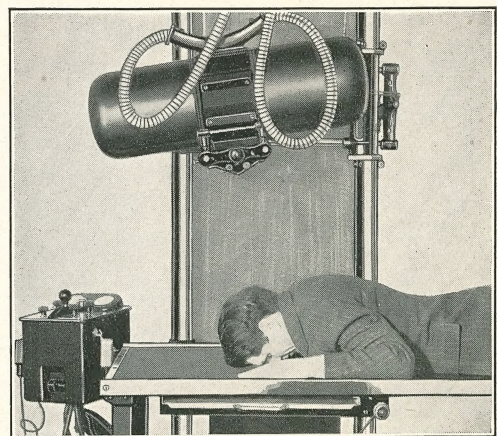
No.		Code	Price
3527	FISCHER Model "DS-60," Diagnostic Shockproof Radiographic and Fluoroscopic Combination (with table and Bucky).....	OIDIM	\$1,492.50
3525	FISCHER Model "DS-60," Diagnostic Shockproof Radiographic and Fluoroscopic Unit (without table and Bucky).....	OHRMAN	1,162.00
	Can be equipped with Patterson Type "B" screen at slight additional cost.		



View of unit arranged to operate in vertical fluoroscopy.



View of unit arranged for use in vertical radiography.



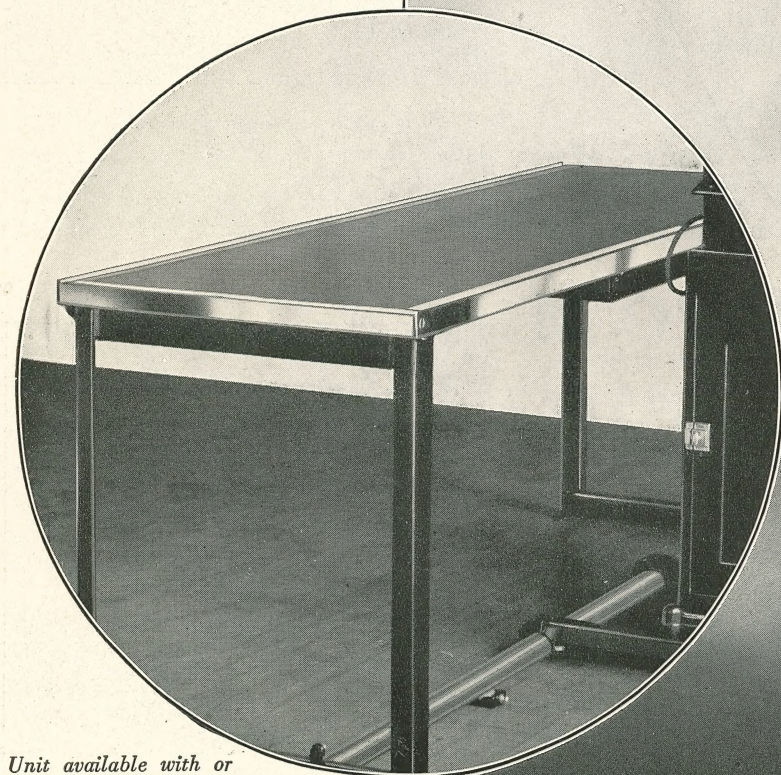
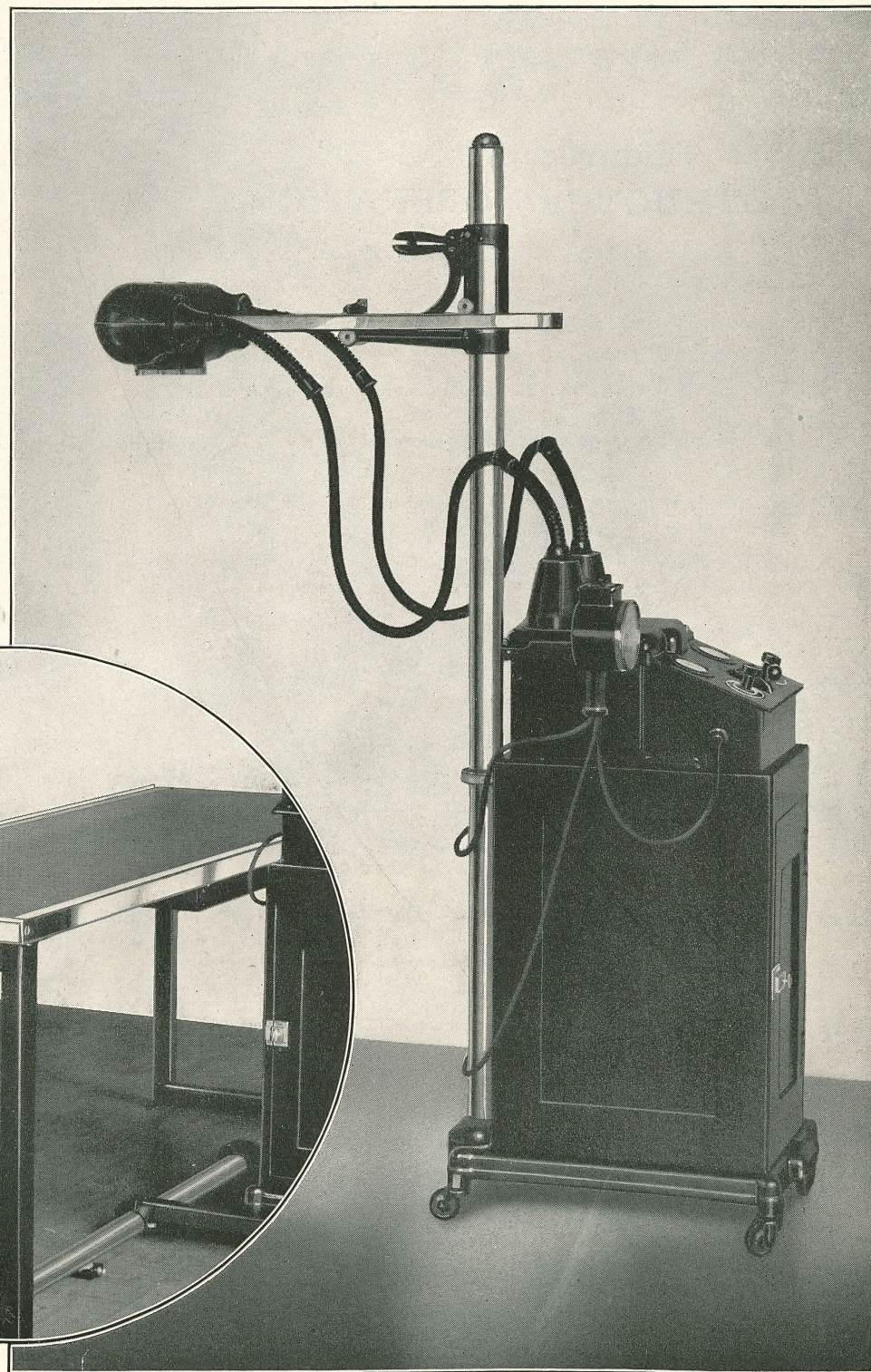
View showing flexibility of tube-head—permits any position desired.

FISCHER MODEL "DSP-20"

Diagnostic • Shockproof • X-ray Apparatus

A low-cost, mobile and transportable unit designed to serve as original installation or as supplementary mobile unit to large, fixed installation.

The diagnostic value of an X-ray in medical practice needs no comment. It is universally recognized. Both radiography and fluoroscopy have value. Heretofore the chief obstacle preventing many physicians from installing X-ray equipment has been lack of office space or possibly cost of the apparatus. This new FISCHER "DSP-20" overcomes both difficulties. The unit is amply powerful, compact and efficient and the necessary investment within the means of any physician. This "DSP-20" is surprisingly powerful and shockproof—both portable and transportable — it will serve virtually every radiographic and fluoroscopic need—is compact enough for even the smallest office and offered at a remarkably low price. In path-



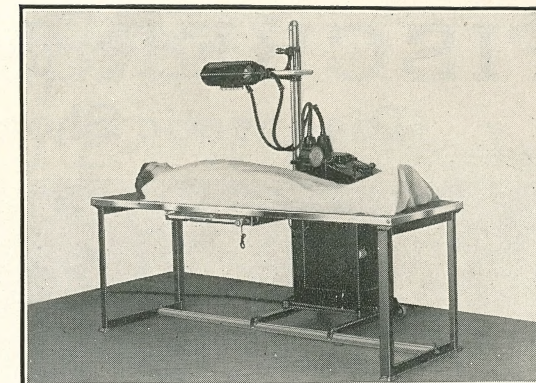
Unit available with or without table—any mounting preferred.

ology of heart, lungs, stomach, colon, sinuses, treatment of superficial skin lesions, and so on, this unit will give superb results. A chest negative showing finest detail can be made in 1/10 to 1/5 second. A knee or shoulder in 1/2 second. Stomach or colon negatives require only 1/2 to 3/4 second. These results speak for themselves. Tube-head moves to any required position easily—locks securely. Unit may be used with or without table and Bucky. From every point of comparison, this Model "DSP-20" is outstanding in its field—a marvel in power, flexibility and durability.

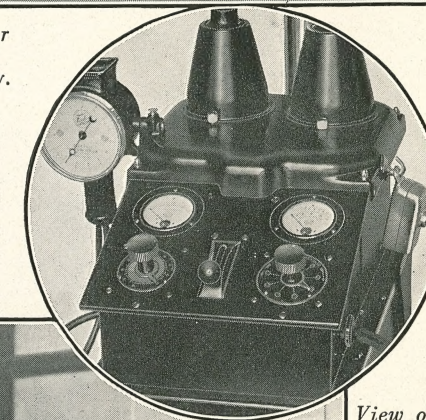
Features of "DSP-20"

Construction and Operation

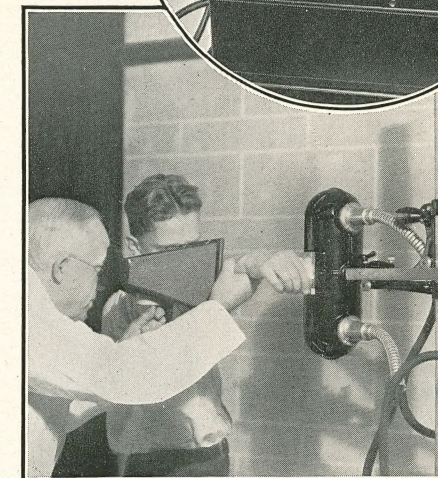
- 1 This unit is absolutely shockproof, when properly grounded—safe for both operator and patient.
- 2 It is portable and transportable as desired—note illustrations showing various mountings. Can be knocked down and reassembled without tools.
- 3 It offers both radiography and fluoroscopy—changes from one position (or use) to another instantly made.
- 4 In power, this unit is a "20-67"—it delivers 20 M.A. at 67 K.V.P. This means four times greater speed on exposures over competing apparatus.
- 5 The control is very fine and applies to both milliamperage and kilovoltage. The meters are accurately calibrated.
- 6 Operation is the simplest of all units. No special wiring necessary—line current (110 volts, 60 cycle) cord plugs into wall socket.
- 7 With modern films and high speed intensifying screens, this unit, for all general X-ray purposes, will equal practically any X-ray apparatus on the market.
- 8 Materials and workmanship are highest quality.
- 9 The latest FISCHER line-focus hot cathode tube is used. Tube-head takes any position or angle desired.
- 10 Equipped with FISCHER Electro-Synchrotimer and remote control switch.
- 11 Cabinet is lead-lined for storage and protection of films.
- 12 Finish is optional—black or ivory and chromium.



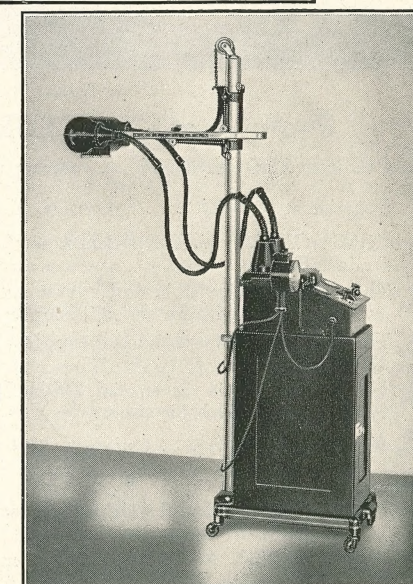
Position for horizontal radiography.



View of control box—synchrotimer, meters, and meter controls.



Indicated use with hand fluoroscope or fluoroscopic screen.



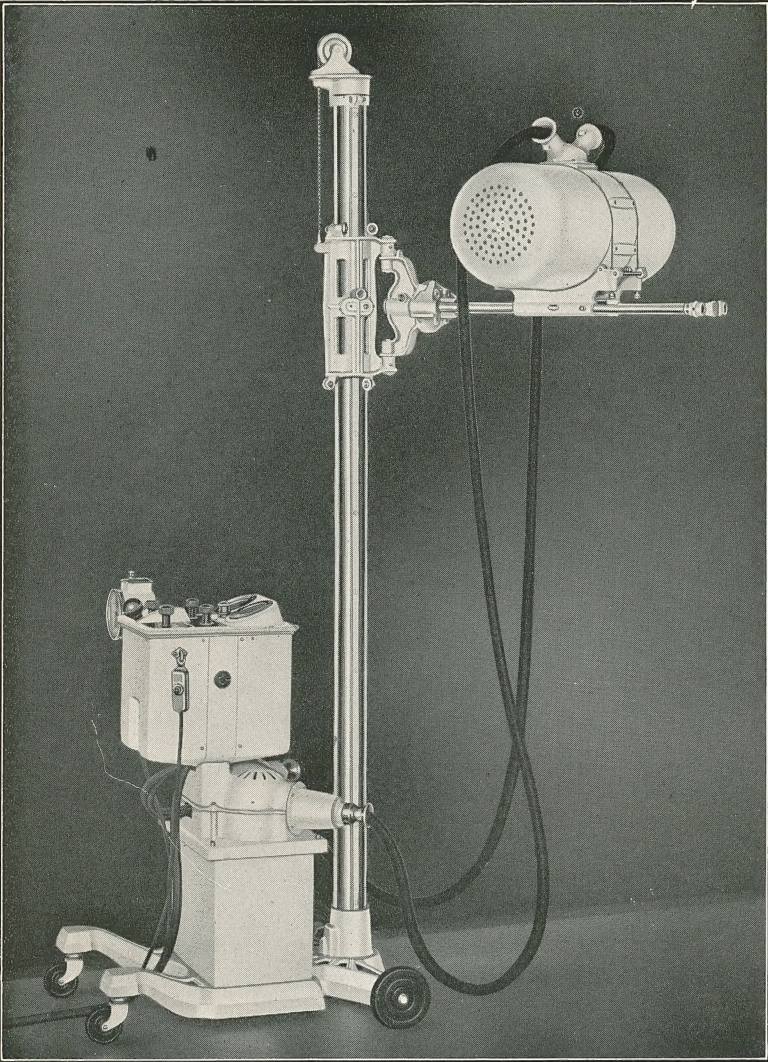
View showing Model "DSP-20" with counterbalance. Adds greatly to convenience in operation. Balance perfect. Device to lock tube-head fast.

No.	Code	Price
3641 FISCHER Model "DSP-20" on iron base, casters, X-ray Tube and Electro-Synchrotimer.....	FROIN	\$650.00
3644 FISCHER Model "DSP-20" mounted on lead-lined cabinet with iron base, casters, X-ray Tube and Electro-Synchrotimer	HERBA	700.00
3647 FISCHER Model "DSP-20" mounted on lead-lined cabinet with iron base, casters to ride on support under 3532 Table, X-ray Tube and Electro-Synchrotimer.....	HERNI	700.00 715.00
3649 FISCHER Model "DSP-20" with cabinet, iron base, casters, X-ray Tube, Electro-Synchrotimer, all as covered under Cat. No. 3647, with Fischer Table and Bucky Diaphragm, Cat. No. 3535.....	HECOM	1045.00
Nos. 3641 "A," 3644 "A," 3647 "A," 3649 "A" with Counterbalance, \$15.00 extra.		
3532 FISCHER Radiographic Table, as illustrated.....	OIKOI	120.00
3535 FISCHER Table and Bucky.....	ODSPO	345.00
3654 Lead-lined Cabinet for "DSP-20".....	HEAVE	50.00
3662 Carriages for supporting "DSP-20" under table.....	HETER	22.50

Ask for descriptive pamphlet Form 1506D

FISCHER MODEL "SP-60"

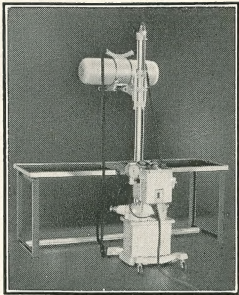
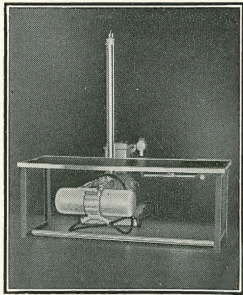
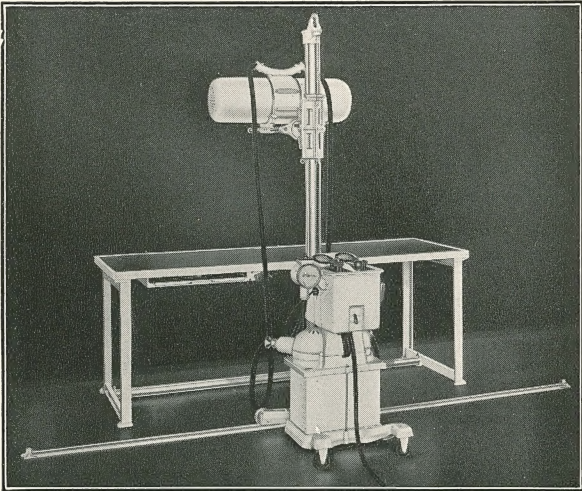
Diagnostic Shockproof X-ray Apparatus



The primary importance of radiographic facilities is too well recognized to need comment. This FISCHER Model "SP-60" is designed especially to provide such facilities. It is a low-priced, compact unit, yet it incorporates every modern electrical and mechanical X-ray feature of proven merit. It is primarily a radiographic unit but with a hand fluoroscope will also give excellent fluoroscopy. Every radiographic service needed in office or clinic is provided. Superficial X-ray therapy also possible. In power this unit is a "60-88"—on an adequate 220 volt line it will deliver 60 M.A. at 88 K.V.P.—or 30 M.A. at 88 K.V.P. on an adequate 110 volt, 60 cycle line. Flash chest or stomach pictures prove a simple matter. Both milliamperage and kilovoltage are variable.

This unit is obtainable alone or with table and Bucky, or wall frame and Bucky, as desired.

The tubehead adjusts readily to any position. It may be raised 40" above table, lowered below table, and rotated, revolved or swivelled at will. Mobility is afforded by wheels and casters, or on track by special mounting. The cables are metal enclosed. The synchro-timer measures time in 1/10 seconds and is accurate to 1/60 second. There is a safety switch and remote control switch.



Above views show different arrangements of Model "SP-60"—mobile with table, used with steel track and table, used with wall frame. Tubehead lowers under table.

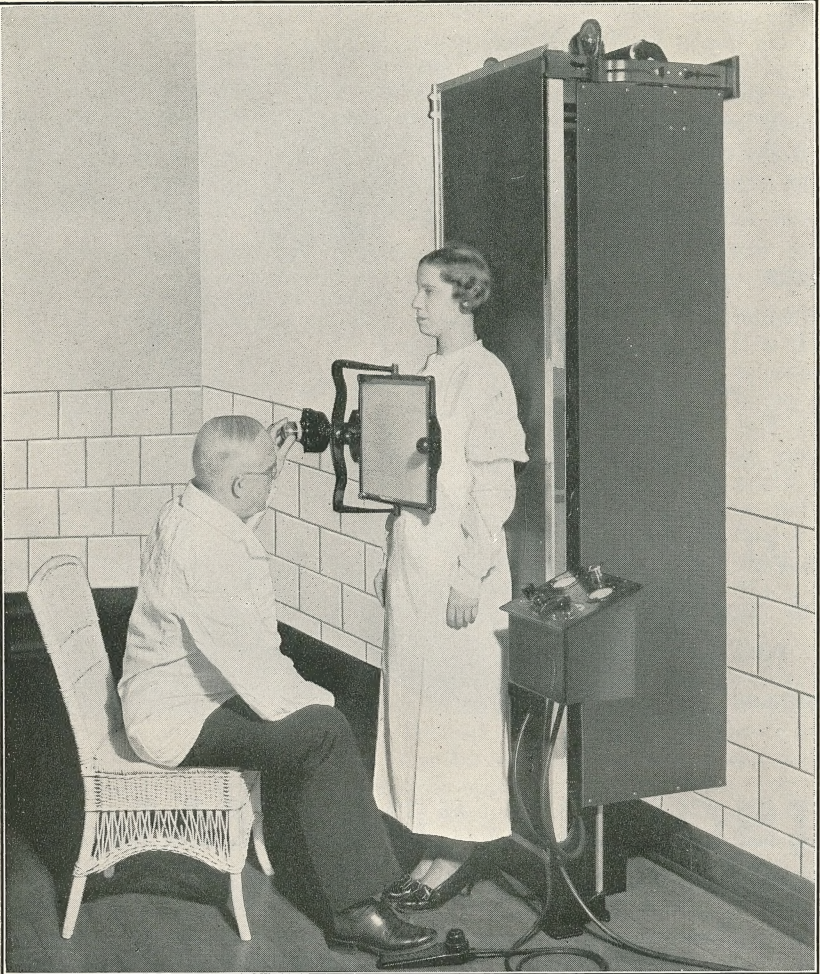
Features of STRUCTURE-OPERATION

1. Positively SHOCKPROOF . . . when properly grounded.
2. Superior in POWER . . . delivers 60 M.A. at 88 K.V.P.
3. COMPACTNESS and MOBILITY are features. Only small space needed for installation.
4. The controls are visible and convenient. There is a double control for each meter. Kilovoltage and milliamperage variable.
5. The flexibility of tubehead and supports permits installation in very small offices or rooms.
6. The TUBE . . . is the special FISCHER-built latest type, very-fine-line-focus, hot cathode X-ray tube.
7. Attractive FINISH . . . option of ivory or black and chromium.

No.	Code	Price
3850 FISCHER Model "SP-60" Shockproof Radiographic Apparatus	JABON	\$995.00
3852 FISCHER Model "SP-60" (same as No. 3850) with Table and Bucky	JACAR	1340.00
3858 FISCHER Model "SP-60" mounted on rail, including Table and Bucky	JADEO	1340.00
3856 FISCHER Model "SP-60" including wall frame and 36" Bucky	JAKOT	1465.00

FISCHER Shockproof

FLUOROSCOPE—Wall Model



Features of STRUCTURE-OPERATION

- 1 A Shockproof Unit. When properly grounded, positively shockproof for both operator and patient.
- 2 High Power. At 88,000 volts, this model delivers 15 milliamperes through the tube. This is more power than is needed and assures fine performance.
- 3 Variable Milliamperage and Kilovoltage. There are separate controls for both milliamperage and kilovoltage.
- 4 Fluoroscopic Screen is of finest quality and measures 12x16 inches. At small additional cost, a Patterson "Type B" screen will be furnished.
- 5 Fischer Hot-cathode, Line-focus Tube. This is the latest-type, very-fine-line focus, hot cathode tube, body of leaded glass with very small aperture for X-ray exit.
- 6 Tempered Prestwood Panel. Over all dimensions of this unit are 36 in. deep, 41 in. wide, 88 in. high. Panel inside metal border measures 20 in. Panel material is finest tempered prestwood.
- 7 Localizing Shutters. These give any size opening desired, square or rectangular. The two control knobs, for shutter control, are mounted conveniently within operator's reach.
- 8 High-tension Cables. Mounted so as to give full flexibility to tube-head. Ample insulation is used and cables protected against damage or wear.
- 9 High-voltage Transformer. This transformer is constructed with an excess of both iron and copper to insure a smooth flow of current to the X-ray tube at any voltage up to maximum.
- 10 Control Unit. Equipped with both volt and milliamperage meters and their controls. Mounted to be convenient to operator and raises or lowers on support to increase convenience.
- 11 Counterbalance. The tube-head and screen are perfectly counterbalanced and move up or down, or from side to side, with a slight pressure of the fingers.
- 12 Special emphasis is made of the quality of this model. Materials are the best, workmanship the finest. A lifetime of satisfactory service from this unit is assured.
- 13 Attractive Finish. The panel is olive green, the metal border is cadmium plate. Supports and other parts of the model in black or ivory enamel.

A HIGHEST-QUALITY shockproof fluoroscope that has been designed in response to an insistent demand from physicians for a unit of highest quality performance—yet at reasonable investment cost. We offer this model to the profession with full confidence that it will meet every fluoroscopic need. Satisfactory performance is guaranteed. Built full-size, with far more power than is generally available in such apparatus, and fine control, fully flexible and absolutely shockproof, this unit can be installed with the assurance that it will not only deliver every service desired, but also results of the highest order. Very small space is required for installation. Further, this unit operates on the regular lighting circuit—no special wiring needed. The cost is within the means of any physician, clinic, or hospital.

No.	Code	Price
3860 FISCHER Fluoroscope—Wall Model—Regular Screen	YAWTF	\$600.00
3961 Arrangement for separate counterbalancing of fluoroscopic screen on No. 3860	DAGUX	15.00
3860A FISCHER Fluoroscope—Wall Model—With separate counterbalance for screen—for heart tracing	DABBA	615.00

Can be equipped with Patterson "Type B" screen at slight additional cost.

FISCHER Shockproof "DENTAL-X"

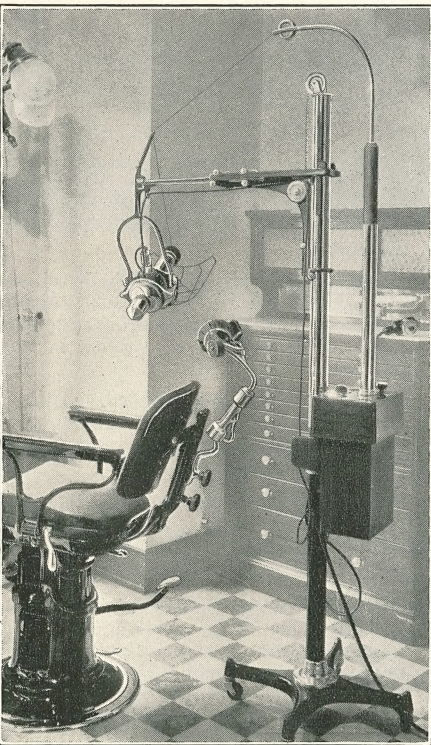
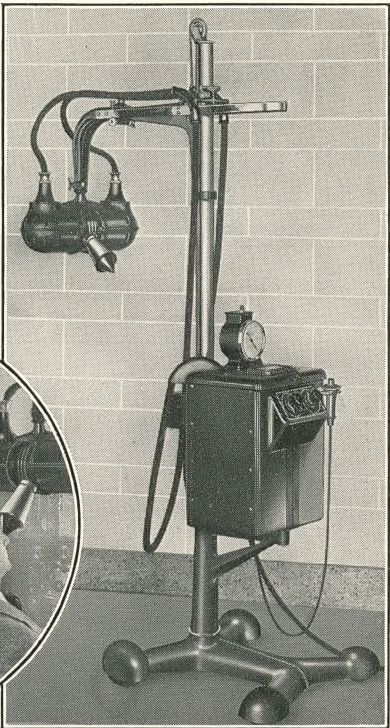
Absolutely safe electrically . . . superior in power . . . 100% flexible . . . mobile . . . and assures finest radiographic results.

This FISCHER Shockproof "DENTAL-X" is unique in its field. In the first place, it has far more power than any competing apparatus—at 67,500 kilovolts, it delivers 20 milliamperes through the tube. This means much greater speed in exposures. The tube may be used farther from the object for clearer detail. In the second place, both kilovoltage and milliamperage are variable, and under separate controls, affording the exact penetration needed. FISCHER units alone offer this advantage. In the third place, every position necessary can be obtained immediately while the patient remains seated in the dental chair. Easy mobility is made possible by large wheels and back casters.

Features of Construction and Operation

This unit embodies every known feature of sound electrical and mechanical X-ray construction. It will give a life-time of dependable service. Construction is very compact. Controls are simple. Cables are metal enclosed. The tube is FISCHER-built of the fine-line-focus type. The synchrotimer is accurate to 1/60 second, measures time in 1/10 second. There is a remote control switch. Counterbalancing is perfect. Friction locks are provided. There is a lead box for film protection. Optional finish—mahogany or ivory. Metal parts chromium. Operates on a 110 volt, 60 cycle line.

No.	Code	Price
3832	FISCHER Shockproof "Dental-X".....DAGGK	\$775.00
Ask for descriptive pamphlet Form 1540		



No.	Code	Price
2240	FISCHER "DENTAL-X" Chromium Plated.....DENTA	\$595.00

Ask for descriptive pamphlet Form 1183A

FISCHER "DENTAL-X"

Although not shockproof, this unit is absolutely safe electrically. It was designed to embody two ideas—(1) to give service of highest quality and (2) to be priced within the means of every dentist. The special features include: 1. Ease of manipulation. Any position desired can be obtained almost instantly. 2. Simplicity of electrical controls. All switches, meters, timers, controls are at your finger tips. 3. Mobility. The unit can be moved anywhere easily. 4. Automatic circuit breaker absolutely protects both patient and operator from electrical currents. 5. Duplication of positions. Dial indicates exact angles. The price quoted covers the FISCHER hot cathode tube, heavy duty transformer, lead glass shield, voltmeter, milliamperage meter, time switch, circuit breaker, dental cone, flexible tube carrier. The finish is clear-grained mahogany, polished aluminum and chromium. Ivory if preferred.

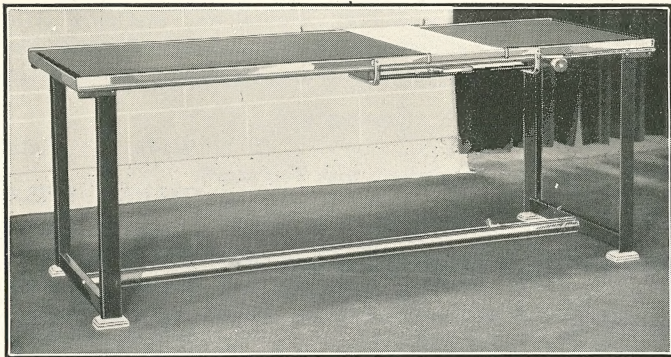
Advantages

- 1 It uncovers additional work and convinces patients of the need to have work done.
- 2 It adds to income by radiograph fees and naturally fees from the additional work uncovered.
- 3 It satisfies patients because they see actual conditions—helps dentists to convince patients when work needs to be done.
- 4 It helps you to retain patients—proves to be an excellent good-will builder.
- 5 It helps you to check the accuracy of your work.
- 6 You can do radiographic work for other dentists and physicians.

FIGURE

FISCHER Roentgenographic Table

(with or without Bucky)



Illustrations showing this FISCHER Roentgenographic Table as integral parts of the various Models of FISCHER X-ray apparatus—"60-88," "DS-60," "DSP-20"—will be found by turning to the preceding pages giving descriptions of each respective unit.

Designed for use with and will give excellent service with almost any make of X-ray. The same table in materials and construction as used with FISCHER X-ray Apparatus. All steel frame—angle iron, stoutly reinforced. Polished tempered prestwood top. Length 78 inches. Width 26 inches. Height 28 inches. Metal parts are finished in cadmium plate. Other metal parts in polished black enamel. (Ivory if preferred.) FISCHER-Bucky diaphragm is underslung, carried on steel runners mounted with ball bearing rollers. Adjustable heavy muslin band arranged for rendering immobile part to be radiographed. Obtainable with or without Bucky diaphragm.

No.	Code	Price
3532	FISCHER Roentgenographic Table (without Bucky diaphragm).....OIKOI	\$120.00
3534	FISCHER Roentgenographic Table with No. 3503 Bucky diaphragm, for use with "DS-60" Outfit.....OCTAD	345.00
3535	FISCHER Roentgenographic Table with No. 3506 Bucky diaphragm, for use with "DSP-20" and "SP-60" Outfits.....ODSPO	345.00

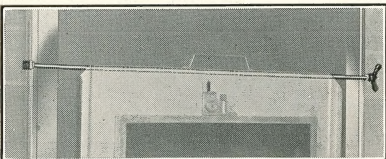
FISCHER Vertical Wall Frames

(with or without Bucky for wall mounting)

A special frame with or without Bucky to be used with any X-ray apparatus for making radiographs of any part of the body, with the patient in the vertical position. The flat type Bucky diaphragm used with this frame will accommodate any size film, either in plain holder or in cassette with intensifying screens, up to and including 14"x17"—a 36" Bucky available if desired. Perfectly counterbalanced. Bucky may be lowered nearly to floor or may be raised to the height of the tallest patient. May be instantly clamped in any desired position. This accessory will prove particularly valuable in X-raying the chest or spine as there are many instances where a radiograph in the vertical position is of greater diagnostic value than one made horizontally. Radiographs of the stomach and colon must often be made in the vertical position. This position must also be used to show the lateral seventh cervical vertebra. Frame is made of steel, chromium plated. Panel is of tempered prestwood.

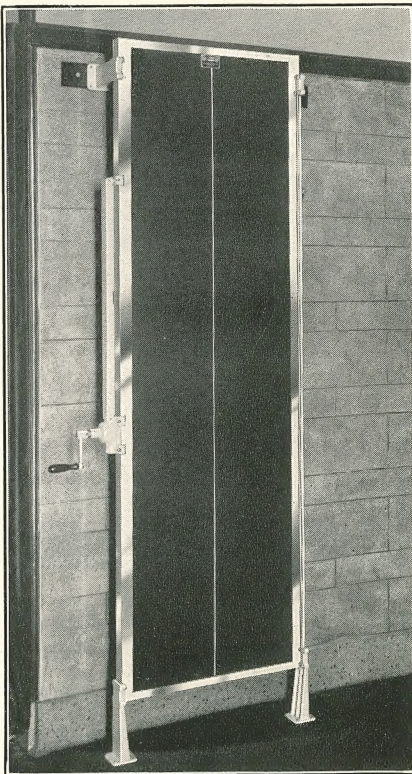
No.	Code	Price
3537	Vertical Wall Type Frame for No. 3505 17-inch Bucky Diaphragm.....FLAVO	\$110.00
3540	Vertical Wall Type Frame for No. 3497 36-inch Bucky Diaphragm with vertical screen adjustment.....FOVER	120.00
3505	FISCHER 17-inch Flat Bucky to fit No. 3537 Vertical Wall Frame.....FOLLI	225.00
3497	FISCHER 36-inch Flat Bucky to fit No. 3506 Vertical Wall Frame.....UVEAL	350.00
3538	Vertical Wall Type Frame with No. 3505 17-inch Bucky Diaphragm.....FLEAM	335.00
3544	Vertical Wall Type Frame with No. 3497 36-inch Bucky Diaphragm with vertical screen adjustment.....FOITH	470.00
3541	Attachment for vertical screen adjustment for 36" Bucky.....FUZDO	35.00

Cassette Hanger



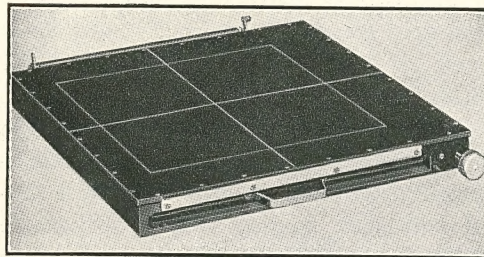
A simple support or hanger for the FISCHER vertical wall frame, or Model "60-88" table, to hold cassette and screens in position when Bucky diaphragm is not used. Steel rod, plated, with clamps which are rubber covered to prevent marring finish on apparatus.

No.	Code	Price
3521	Cassette Hanger.....FOREL	\$2.50
3522	Logan Head Steadying Supports for Cassette Hanger (No. 3521).....HIODI	2.50
3524	Includes hanger No. 3521 and Head Support No. 3522.....FOHIO	5.00



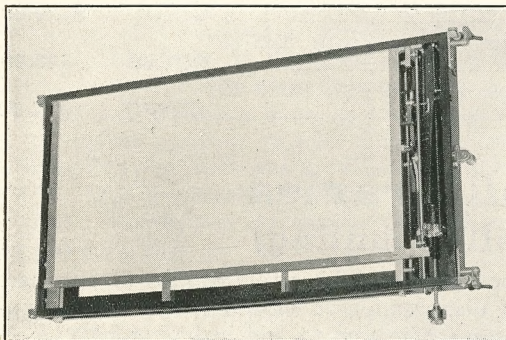
FISCHER-BUCKY Diaphragms-17"

FISCHER flat Bucky construction—steel frame—embodies all latest developments. No heavy castings—weight 43 pounds. Top pure black bakelite. Timed from 1 to 40 seconds. Equipped with both manual and electrical trips, the first operated by a convenient pull cord and the other wired to X-ray circuit through control box. Will accommodate 8" x 10" to 14" x 17" cassettes either lengthwise or crosswise of table. Metal tray has calibrated self-centering device with lock, which will hold cassette in definite position.



No.		Code	Price
3504	FISCHER Flat Bucky Diaphragm with Tempered Prestwood Top	OXIME	\$225.00
3503	FISCHER Flat Bucky Diaphragm to fit "DS-60" Table	ODINE	225.00
2932	FISCHER Flat Bucky Diaphragm to fit "60-88" Table	KALAB	225.00
3506	FISCHER Flat Bucky Diaphragm to fit No. 3535 Table	TALIQ	225.00
3505	FISCHER Flat Bucky Diaphragm to fit Vertical Wall Frame No. 3537	FOLLI	225.00

FISCHER-BUCKY Diaphragm-36"

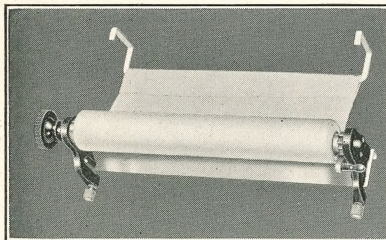


This Bucky Diaphragm differs from the regular FISCHER 17" Bucky diaphragm only in size. Flat construction—steel frame. Embodies all latest developments. No heavy castings. Timed from 1 to 40 seconds. Equipped with both manual and electrical trips, the first operated by a convenient pull cord, the other wired to X-ray circuit through control box. Will accommodate any cassette up to and including 14x36 inches.

No.		Code	Price
3497		UVEAL	\$350.00

FISCHER Immobilizing and Compression Attachment

Specially designed, convenient immobilizing band, made of woven, non-stretching material (linen pocket-drill), 10 inches wide. The frame is arranged with a ratchet and locking device which holds band tight over patient. Equally serviceable with table or wall frame.



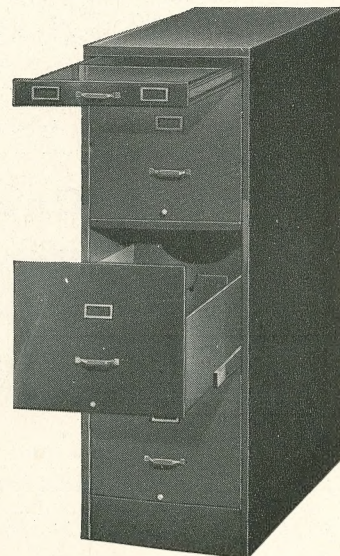
No.		Code	Price
3496	FISCHER Immobilizing and Compression Attachment for FISCHER Tables or Upright Wall Frame	OXYAC	\$18.50
3495	FISCHER Double Immobilizing and Compression Attachment for FISCHER Tables or Upright Wall Frame	FLATT	35.00
3493	FISCHER Immobilizing and Compression Attachment for Bucky No. 3504	TOTAY	18.50
3492	Band only for both Catalog No. 3495 and 3496	FLOOD	.75

FISCHER-BENTSON X-ray Film Filing Cabinets

A steel cabinet for the safe filing of 14"x17" X-ray film negatives. Constructed of heavy plate steel with welded joints to make them resistant to fire. Equipped with rod and compressor to hold index guides. Capacity of each drawer is approximately one thousand films in envelopes. Dimensions of each drawer, approximately 17 11/16" x 15 3/16" x 24" deep. All cabinets are louvered in the back for ventilation as is required by law. Drawers operate smoothly and quietly on ball bearing suspension slides. If desired, an automatic drawer catch can be furnished at small additional charge.

No.		Code	Price
3200	Three Large Drawers and a Temporary Drawer at Top, olive green finish	BEONE	\$70.00
3201	Three Large Drawers without the Temporary Drawer, olive green finish	BETWO	66.00
3202	Two Large Drawers and a Temporary Drawer at Top, olive green finish	BETRE	60.00

(Additional charge for mahogany or walnut finish.)



STANFORD Pedestal Stereoscope

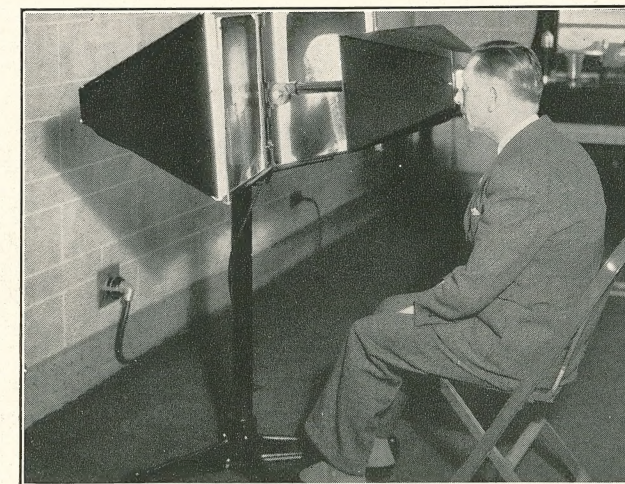
Designed to occupy minimum space . . . to serve both as a diagnostic view box and as a stereoscope . . . low priced.

The maximum diagnostic value of a radiograph appears only when the proper illuminating device is used. Any good illuminator that produces evenly diffused blue-white light will give a single radiograph a much more brilliant appearance, definitely enhancing the black and white contrasting properties of the radiograph and thus aiding diagnosis. The stereoscope goes one step farther. With its two view boxes and mirror assemblage, superimposed films may be clearly viewed in three dimensions. To the physician, the advantage of this feature is self evident—the exact position of pathological areas can be determined, foreign bodies can be localized, and so on.

This Stanford Pedestal Stereoscope has been designed to serve the double-purpose mentioned—it is both a view box and a stereoscope. When used as a view box, the stereoscopic parts simply lift up out of the way, as shown in illustration below. Used as a stereoscope, this apparatus is simplicity itself—the stereoscopic image being seen equally well by all observers, regardless of training in this special field. Perfect factory alignment insures you against the annoyance and eye-strain of adjusting mirrors. Only the best materials are used in construction of this unit. With a Stanford Pedestal Stereoscope, you can be assured of optically perfect results. The price, considering quality and utility, is surprisingly low.



View of STANFORD Pedestal Stereoscope. Note substantial four-legged base and compact, single-unit construction, economizing space.



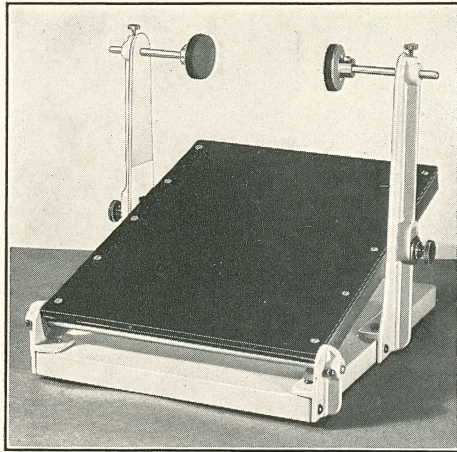
Arrangement of films and Stanford Pedestal Stereoscope for stereoscopy.



Arrangement of Stanford Pedestal Stereoscope for use as view box.

No.		Code	Price
3710	Stanford Pedestal Stereoscope equipped with connecting cable and two 150-watt daylite lamps for illuminators	HIPPE	\$190.00

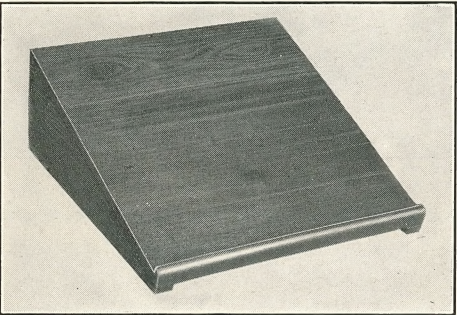
FISCHER Adjustable Head Rest and Cassette Holder



Designed to accommodate 8x10 cassette. Changes from sinus to mastoid positions. Any position locks fast. The head supports are adjustable. Top is tempered prestwood. Finish ivory.

No.		Code	Price
3549	FISCHER Adjustable Head Rest and Cassette Holder..JEDRO		\$17.50

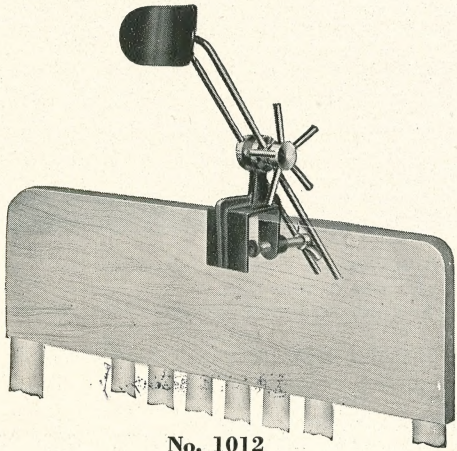
FISCHER Angle Block Head Support



Arranged so that either the 34° or 37° angle may be employed for Mastoid Frontal Sinus and similar radiographic work. All wood construction, mahogany finish. Has ledge at bottom to hold cassette or film holder in place. Dimensions 12" by 13". Proper angular support for head or skull negatives is an absolute necessity if the best results are to be obtained.

No.		Code	Price
3547	FISCHER Angle Block Head Support.....FACIO		\$4.50

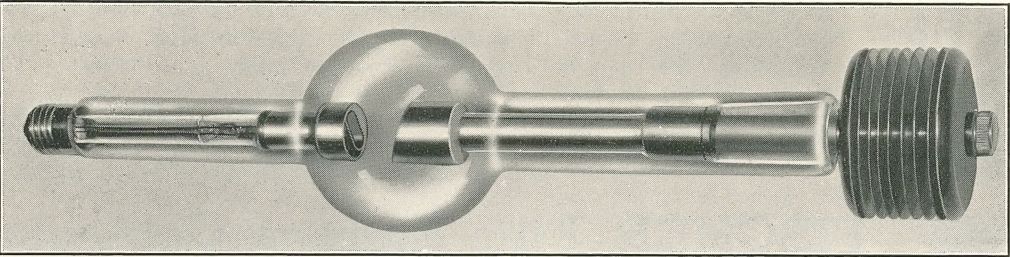
FISCHER Adjustable Head Rest with Chair Clamp



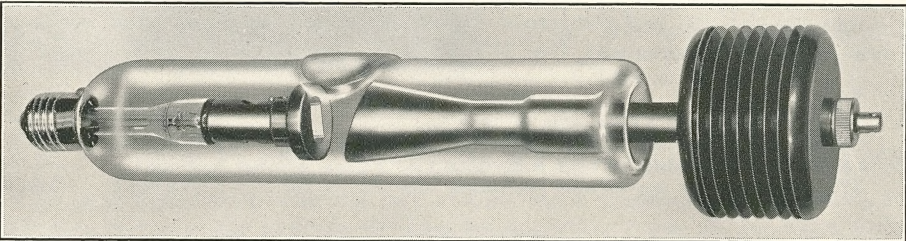
A substantial, practical head rest, useful for the dentist as an aid in supporting the head of the patient while making dental radiographs. Can be attached to any chair. Made of all metal, part polished and plated and part black enameled. Adjustable as to position forward, height and laterally. Large spoke clampnut.

No.		Code	Price
1012	FISCHER Adjustable Head Rest.....CALSI		\$9.00

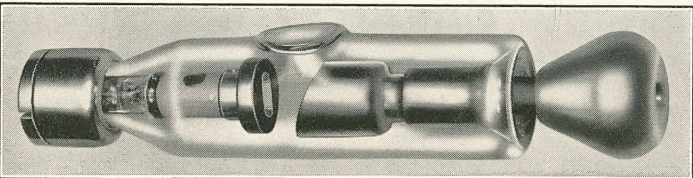
FISCHER Line-Focus Hot Cathode X-Ray Tubes



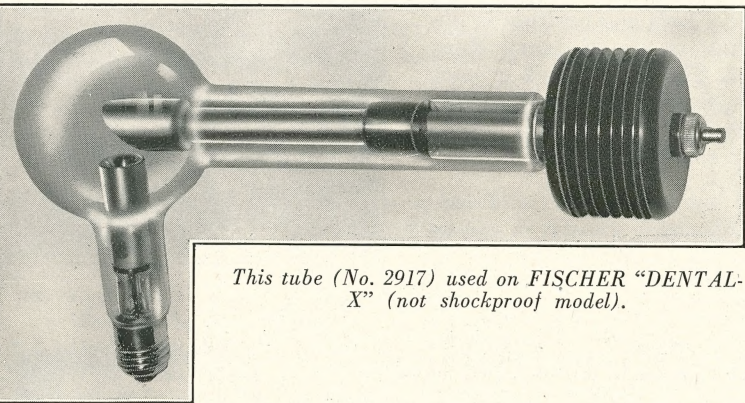
This tube (Nos. 2921, 2922, 2923) used on FISCHER Models "60-88," "SP-60," "DS-60." See below for differences between numbers.



This tube (No. 3863) used on FISCHER Shockproof Fluoroscope—Wall Model.



This tube (No. 3660) used on FISCHER Model "DSP-20" and FISCHER Shockproof "DENTAL-X." May be had with broad focus (No. 3661) for "DSP-20."



This tube (No. 2917) used on FISCHER "DENTAL-X" (not shockproof model).

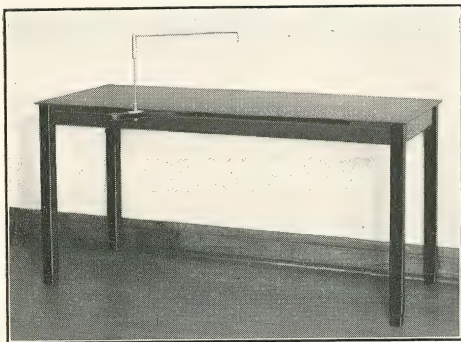
These FISCHER X-ray tubes offer a distinct improvement over competing tubes in that greater energies may be used on the focus (designed for sharp definition) than can be used on a round focus of equal projected area. The tungsten target is cast-welded to an unus-

ually large volume of pure copper, making an anode of great heat storage capacity. An efficient radiator is closely fitted to the anode shank and provides rapid radiation of heat from the anode, fitting these tubes for serial radiography. Special glass of low filtration value, tested free of strain flaws, is used for the bulb and stems of the tubes and all seals of metal to glass are carefully made to provide strength and freedom from leakage. The metal terminals are degassed before they are built into the

tube and the final exhaust is performed with care and checked by gauges that insure tubes free from every trace of gas.

FISCHER tubes operate silently and accept heavy loads with no evidence of tube distress. They operate with a stability and a constancy of X-ray output that has never been excelled. Due to excellence of design, careful construction and low overhead costs, quality tubes are offered and priced below competition. They provide long tube life and lowered costs of radiography and fluoroscopy. FISCHER Line Focus Tubes are available in six focal sizes and capacities as listed below—also in a right angle design. This latter is made to fit in any shield now in use with right angle tubes. Due to the large amount of copper in the anode for heat storage and rapid cooling provided by the close fitting radiator, this tube will allow rapid exposures in full mouth radiography without tube distress.

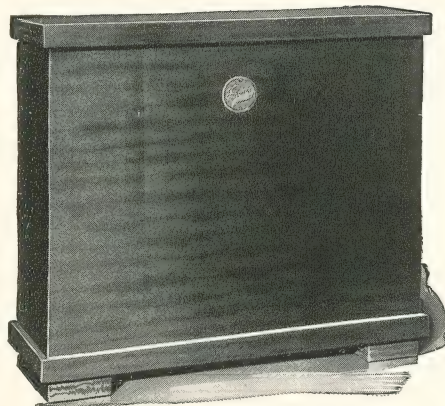
No.		Code	Price
2921	FISCHER Line Focus Hot Cathode X-Ray Tube, 2 MM. 3 KW. For fine radiographic detail and fluoroscopy	OAKIE	\$100.00
2922	FISCHER Line Focus Hot Cathode X-Ray Tube, 3.5 MM. 8 KW. For general radiography.....	OAKUM	100.00
2923	FISCHER Line Focus Hot Cathode X-Ray Tube, 4.8 MM. 10 KW. For speed radiography.....	OARIA	100.00
3863	FISCHER Line Focus Hot Cathode X-Ray Tube. For Shockproof Fluoroscope.....	YAGCO	100.00
3661	FISCHER Line Focus Hot Cathode X-Ray Tube—broad focus—for "DSP-20".....	YAADE	100.00
2917	FISCHER 4-70 RAL Right Angle Line Focus Hot Cathode X-Ray Tube, 1.5 MM. 1.5 KW.....	HOTRI	100.00
3660	FISCHER Line Focus Hot Cathode X-Ray Tube. For "DSP-20" and Shockproof "Dental-X" Units..	TREPA	100.00



FISCHER Veterinarian's X-ray Table

For use in X-raying small animals. Length 5 ft., width 2 ft., height 2½ ft. Top of tempered presswood. Moveable cassette holder, special centering device. Substantial frame. Designed to be used for both radiography and fluoroscopy. Especially suitable for use with FISCHER Shockproof Apparatus—tube may be used above or below table.

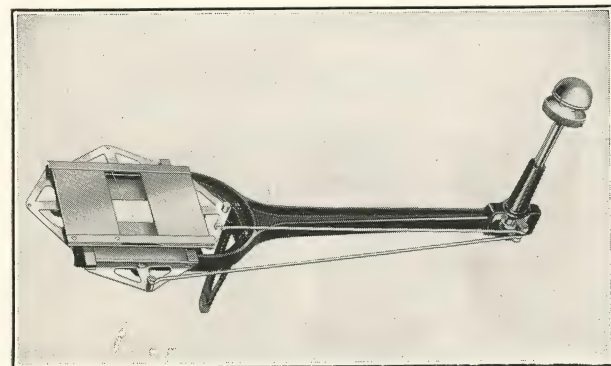
No.	Code	Price
3656	TINOS	\$50.00



FISCHER Film Storage Cabinets

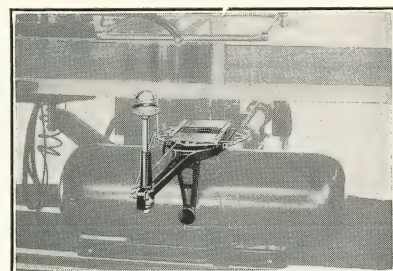
All FISCHER Film Storage Cabinets are carefully constructed and lined with heavy sheet lead. Joints are carefully sealed, and nail and screw holes are soldered over to prevent any possible chance of the X-rays leaking into the contents. The lead on the cover is pressed out to insure a snug fit into the cabinet, and reinforced to protect it from sagging. These cabinets are finished in mahogany, No. 3730 in black. Made in four sizes.

No.	Code	Price
573 For Dental Films, size 4" x 5"	DUNOT	\$11.50
575 For Films up to and including size 8" x 10"	DENSO	17.50
577 For Films up to and including size 14" x 17"	DERIC	30.00
3730 For Films up to and including size 14" x 36"	TAMAT	50.00



FISCHER Localizing Fluoroscopic Shutter Attachment

Attaches and detaches automatically. Greatly facilitates fluoroscopic work. The two control knobs are conveniently located, making for ease of operation. Designed to fit the FISCHER "60-88" Diagnostic, Shockproof X-ray Apparatus and to attach or detach at will. No tools are required. It simply slips into the grooves provided on the metal X-ray tube cover for holding the compression cones or aluminum filters. Any size of opening, square or rectangular, from zero up to full size of the fluoroscopic screen is obtainable. The illustrations show the shutter itself and position in operation.



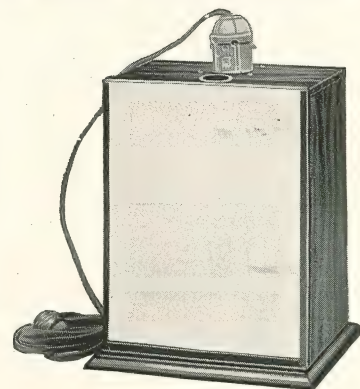
Weight of shutter, 6 lbs. The adjustable shutters are of heavy sheet lead, supported by sheet steel. The frame is aluminum. The finish black enamel or ivory and plating to match the finish of FISCHER Model "60-88." A unique counterweighting device in the upright support offsets the added weight of the shutter attachment and leaves the whole unit perfectly counterbalanced.

No.	Code	Price
2927 FISCHER Localizing Fluoroscopic Shutter Attachment	KAYLE	\$37.50

FISCHER X-ray Film Illuminator

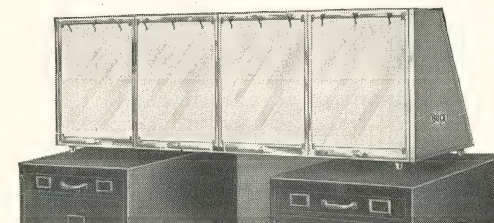
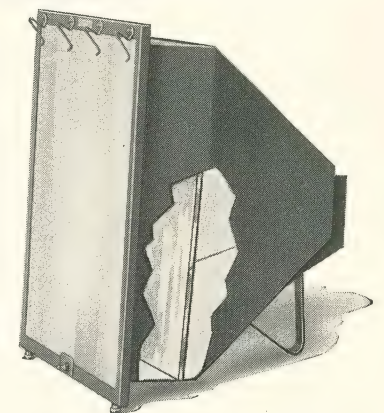
The box is made of sheet metal, mounted on a wooden base. Ivory finish. The inside finish is flat white. Box is ventilated. No lamp furnished. A frosted 40 watt Mazda bulb is recommended. Furnished with porcelain socket, with cut-off switch, long silk-covered connecting cord and plug. 8"x10" opal blue glass front.

No.	Code	Price
551 8" x 10" Illuminator	DARTO	\$9.50



BUCK Cold-Front Film Illuminator

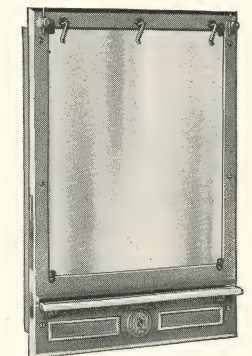
All-metal illuminator with clear glass baffle, 4 inches behind front. Heat from electrical bulb meets this baffle and is conducted out of the illuminator through slot in top. Permits safe examination of wet films. Films are held in position by spring clips. Front frame made of formed steel. Possible to quickly and easily assemble together any desired number of illuminators, forming a single or double decked group. Any desired group will be built at the factory at an extra charge of \$1.50 for each illuminator contained in the group. The electric wiring is entirely enclosed in metal. Shockproof switch on each illuminator. Drip trough for catching drippings from wet films supplied at \$1.50 extra. The Buck Illuminator accommodates a 250 watt special X-ray illuminator bulb, or any smaller bulb. (Bulb not included with the illuminator.) The front is a combination of Opal Blue Glass with a clear glass baffle (one sheet of each) supplied as standard. "North Light" Glass supplied for \$6.50 extra.



No.	Code	Price
3259 BUCK Cold-Front Illuminator, 14" x 17"	GIGAN	\$15.75
3258 BUCK Cold-Front Illuminator (group of 4, 14" x 17")	GNATH	63.00
3736 FISCHER Special Large Illuminators for 14" x 36" Films including three 150 watt Daylight (inside frosted Bulbs)	TIBRY	45.00

BUCK In-the-Wall Illuminator

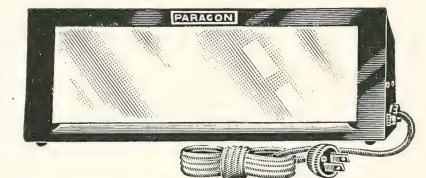
Can be mounted flush with the face of a standard thickness wall. By the use of this illuminator, it is now possible to equip the hospital operating room or the office with an illuminator of the finest type; one which will not melt wet films (a projected ledge catches the drippings) and does not mar the appearance of a finely finished wall or room. The cold illuminator is produced by the use of a special Neon tube, giving off a desirable blue-white light. A bank of several of these illuminators makes a most attractive display for educational or other use. The front frame surrounding the glass is artistically decorated and chromium plated. The body is of extra heavy formed steel, acceptable to any building construction code. Manufactured in 14" x 17" size, for 110 volt, alternating current only.



No.	Code	Price
3260 BUCK In-the-Wall Illuminator (for alternating current only)	GADUS	\$72.00

PARAGON Dental Illuminator

The Paragon Dental Illuminator embodies all the essential qualities required for the proper illumination of dental radiographs. It is compact in size, yet large enough to accommodate a fourteen window mount; it is equipped with one 12" tubular lamp, new style, day-light, blue flashed opal glass and six foot cord. The switch is placed in the forward lower corner of the right end wall, the most convenient place to reach with the right hand. Ample ventilation allows the heat generated by the lamp to escape readily. The inside is finished in daylite white, giving an even distribution of diffused light over the entire surface of the glass front. Outside finished in mahogany maroon.



No.	Code	Price
3734 Paragon Dental Illuminator, complete with 12" tubular lamp, 6' cord, switch and flashed opal glass	TACOS	\$6.50

SPECIAL GLASS FOR ILLUMINATORS

No.	Code	Price	No.	Code	Price
3753 Opal Glass for Paragon Dental Illuminator No. 3734	THALA	\$.75	3756 Opal Glass for No. 3259 and No. 3260 Buck 14" x 17" Illuminators	THECA	\$3.00
3754 Opal Blue Glass for No. 3734	THANY	.75			
3755 Opal Blue Glass for FISCHER No. 551—8" x 10" Illuminator	THEAS	\$1.00	3758 Opal Glass for 14" x 36" Illuminator No. 3736	THEEL	6.50

DAYLIGHT (INSIDE FROSTED) BULBS FOR ILLUMINATORS

No.	Code	Price	No.	Code	Price
3759 60 watt Illuminator Bulb, 110 volts	THEIC	\$.55	3763 200 watt Illuminator Bulb, 110 volts	TIQUE	\$2.25
3761 40 watt Special Long Bulb for Illuminator No. 3734, 110 volts	TEXTU	1.00	3764 150 watt Illuminator Bulb, 110 volts	DACER	1.75
3762 250 watt Illuminator Bulb, 110 volts	THAMO	2.50	3771 100 watt Illuminator Bulb, 110 volts	DACTY	1.00

Prices on bulbs for other than 110 volts quoted on request.

X-RAY INTENSIFYING SCREENS

Intensifying screens are an absolute requirement in the roentgenographic laboratory. They make it possible to produce negatives of the heavier parts in one-fourth to one-fifth the time required where they are not used. This means much less strain on the X-ray tube, as well as less consumption of line current. For the benefit of users, all the better known brands of intensifying screens are listed. All intensifying screens must be kept clean.

BUCK Intensifying Screens

Present day progress in radiography is rapidly pointing toward the use of screens of different speeds for the purpose of securing the best possible results. Heavily coated screens of extreme speed are indispensable for use with heavy patients or with low powered equipment or for the purpose of arresting motion, but such screens do not produce the best detail or definition. Extremity work, where speed is not an important factor, should be done with screens of fine definition. This is often of particular value in the case of fractures. Fine detail in chest work is also of great importance, even though the exposure must necessarily be increased.

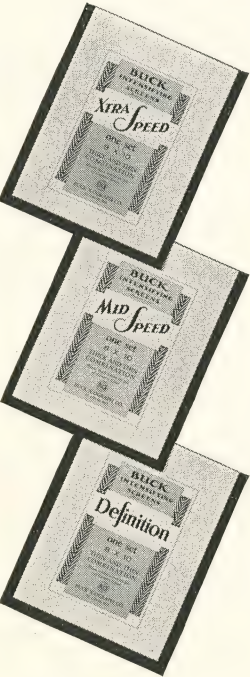
For this reason, it is advisable to equip the X-ray laboratory with screens of medium speed and definition, using special screens where extreme speed or extreme definition is desired.

BUCK Xtra-Speed Screens should be used wherever it is necessary to reduce the length of exposure as much as possible.

BUCK Mid-Speed Screens will be found very satisfactory for all general purpose work, where extreme speed or extreme definition is not of particular importance.

BUCK Definition Screens will prove most desirable where fine definition is of more importance than the length of exposure.

Buck Xtra-Speed, Mid-Speed and Definition Screens are very fine grain, entirely free from lag and possess a hard smooth surface, to which dust or particles of dirt will not readily adhere and may be cleaned in the usual manner. (A charge of \$3.00 will be made for drawing 2" squares on 36" screens.)



Buck XTRA-SPEED			
No.	Intensifying Screen	Code	Price
3795	5" x 7".....Pair	TOMEN	\$5.45
3796	6½" x 8½".....Pair	TOMOY	8.60
3797	8" x 10".....Pair	TOMTO	12.45
3798	10" x 12".....Pair	TONAP	18.65
3799	11" x 14".....Pair	TONGA	23.95
3800	14" x 17".....Pair	TONIK	37.00
3801	7" x 17".....Pair	TONOL	18.50
3802	8" x 36".....Pair	TONUS	49.20
3803	14" x 36".....Pair	TONZE	86.10

Buck MID-SPEED			
No.	Intensifying Screen	Code	Price
3804	5" x 7".....Pair	TOPAN	4.70
3805	6½" x 8½".....Pair	TOPTA	7.45
3806	8" x 10".....Pair	TOPES	10.75
3807	10" x 12".....Pair	TOPHI	16.15
3808	11" x 14".....Pair	TOPSY	20.70

The above prices cover combinations or pairs.
Single thick screen, 60% of Combination price. Single thin screen, 40% of Combination price.

EASTMAN Ultra-Speed Intensifying Screens

Eastman Ultra-Speed Intensifying Screens are available to meet the demands of modern radiography for short exposure or low kilovoltage technic. When used with Eastman X-ray Films the time or the voltage factor can be reduced to the minimum established by present scientific knowledge. Freedom from grain and afterglow, durability, and ease in mounting are inherent characteristics of these new Eastman Screens. The intensifying material, coated on a cardboard support, presents a surface that will not readily abrade or scratch, and is easily cleaned. Eastman Ultra-Speed X-ray Intensifying Screens are supplied in pairs; the front unit being thinner to prevent undue absorption of low voltage radiation. Mounting is easily accomplished in any type cassette, and the surfaces stay flat . . . there is no buckle or curl.

No.			Code	Price
3285	Eastman, 5" x 7", Pair		ODORI	\$ 4.00
3286	Eastman, 6½" x 8½", Pair		ODYNO	7.00
2477	Eastman, 8" x 10", Pair		ZIDUF	10.50
2478	Eastman, 10" x 12", Pair		ZEVAM	15.50
2479	Eastman, 11" x 14", Pair		ZECWO	20.00
2480	Eastman, 14" x 17", Pair		ZECZY	30.00

PATTERSON Fluorazure Intensifying Screens

The outstanding advantage of these screens is speed, which may be used to advantage in several ways. In heart and chest work speed is paramount. In soft tissue work, such as kidney, gall bladder, and extremities, the same time may be maintained but at much lower kilovoltage, thereby increasing detail. Another instance is where low-powered apparatus is used.



Best results will be obtained with the Fluorazure screen by using the Bucky diaphragm whenever possible, and particularly in those cases in which large amounts of secondary radiation are produced. The speed factor table shows that the time of exposure of Bucky diaphragm radiographs can be materially reduced by the use of Fluorazure screens. At certain kilovoltages it will be possible to make radiographs in the same time with Fluorazure screens and a Bucky diaphragm as is required for tungstate screens without a Bucky diaphragm. The blue protective coating of the screen has been selected so as to permit the passage of the fluorescent light but to stop that of the afterglow. The danger of overlapping images due to afterglow is obviated, except in cases of over heavy exposure. It is recommended that Fluorazure screens be used at kilovoltage not to exceed 70 K.V.P. Users of Patterson Fluorazure Intensifying Screens will find that they may vary slightly in color one from the other. Exact color matches are not guaranteed and furthermore will cause very little effect, if any, in the operation of the screens.

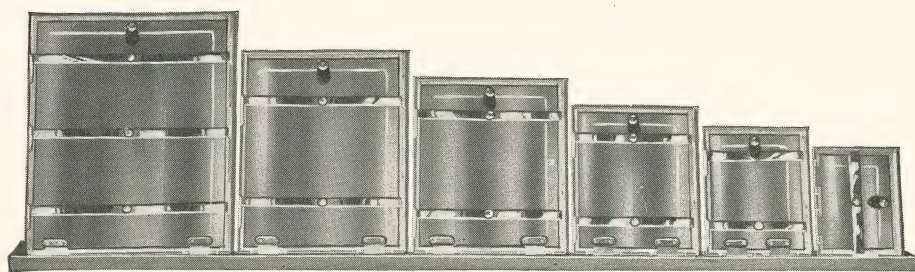
No.		Code	Price
2850	Patterson Fluorazure Combination, 8" x 10", Pair	TENAX	\$21.00
2851	Patterson Fluorazure Combination, 10" x 12", Pair	TENLI	32.50
2852	Patterson Fluorazure Combination, 11" x 14", Pair	TENDE	42.00
2853	Patterson Fluorazure Combination, 7" x 17", Pair	TENRO	32.50
2854	Patterson Fluorazure Combination, 14" x 17", Pair	TENOT	65.00

PATTERSON Brand Intensifying Screens

The Patterson "Par-Speed" and "High-Speed" Screens are approximately 50% faster than previous types. The Patterson "Par-Speed" screen is slightly above the average in speed but reproduces the most exacting detail. The Patterson Combination consists of two screens, one thin or front screen and one thick or back screen.

No.		Code	Price	No.		Code	Price
2860	Patterson "Par-Speed," 8" x 10", Thin	PABUL	\$ 5.25	2875	Patterson "High-Speed," 8" x 10", Thin	PALIZ	\$ 6.63
2861	Patterson "Par-Speed," 8" x 10", Thick	PACAL	6.30	2876	Patterson "High-Speed," 8" x 10", Thick	PALMO	7.95
2862	Patterson "Par-Speed," 8" x 10", Pair	PACHA	10.50	2877	Patterson "High-Speed," 8" x 10", Pair	PAMPA	13.25
2863	Patterson "Par-Speed," 10" x 12", Thin	PACIF	8.00	2878	Patterson "High-Speed," 10" x 12", Thin	PANAC	10.00
2864	Patterson "Par-Speed," 10" x 12", Thick	PADLE	9.60	2879	Patterson "High-Speed," 10" x 12", Thick	PANED	12.00
2865	Patterson "Par-Speed," 10" x 12", Pair	PAEAN	16.00	2880	Patterson "High-Speed," 10" x 12", Pair	PANJA	20.00
2866	Patterson "Par-Speed," 11" x 14", Thin	PAGET	10.50	2881	Patterson "High-Speed," 11" x 14", Thin	PANSY	13.25
2867	Patterson "Par-Speed," 11" x 14", Thick	PAILO	12.60	2882	Patterson "High-Speed," 11" x 14", Thick	PAPAW	15.90
2868	Patterson "Par-Speed," 11" x 14", Pair	PAJAM	21.00	2883	Patterson "High-Speed," 11" x 14", Pair	PAPUS	26.50
2869	Patterson "Par-Speed," 14" x 17", Thin	PAKLO	16.00	2884	Patterson "High-Speed," 14" x 17", Thin	PARAB	20.00
2870	Patterson "Par-Speed," 14" x 17", Thick	PALAT	19.20	2885	Patterson "High-Speed," 14" x 17", Thick	PARCA	24.00
2871	Patterson "Par-Speed," 14" x 17", Pair	PALEY	32.00	2886	Patterson "High-Speed," 14" x 17", Pair	PAROL	40.00
3374	Patterson "Par-Speed," 7" x 17", Thin	OBSER	8.00	3384	Patterson "High-Speed," 7" x 17", Thin	OGSTO	10.00
3375	Patterson "Par-Speed," 7" x 17", Thick	OBSOL	9.60	3385	Patterson "High-Speed," 7" x 17", Thick	OHARA	12.00
3376	Patterson "Par-Speed," 7" x 17", Pair	OBSTE	16.00	3386	Patterson "High-Speed," 7" x 17", Pair	OHMLA	20.00

BUCK Steel Frame Cassettes—Bakelite Front



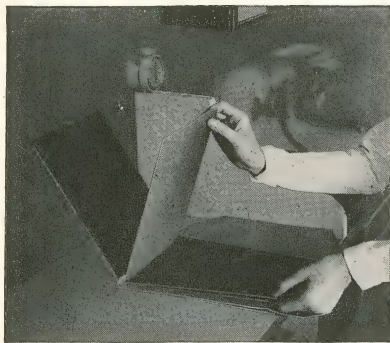
For dependable results, when using intensifying screens, cassettes are absolutely necessary. A cassette assures definite contact between screen and film. Experience in the manufacture of many thousands of cassettes with cast aluminum frames has brought out certain defects in this type of cassette, which it has been our aim to overcome in the new Buck steel frame cassette. Note the following points:

The hollow steel frame has welded corners, impossible to break, and the method of manufacture insures a true alignment free from stress. *Contact*—These cassettes eliminate any uncertainty of screen and film contact. *Light Weight*—Weight reduced to a noticeable extent. *Cover*—A recess around the four edges of the cover allows for the thickness of tape used in mounting screens. This promotes contact. If necessary to remove the cover screen from the felt, tape has a decided advantage. *Hinges*—Wide metal hinges prevent damage to screens when properly mounted on the cassette cover. *Springs*—The alignment of the cassette is so nearly perfect as to require only gentle pressure to produce contact, increasing life of the screens. *Felt*—A special manufacture practically free from lint or shedding. *Made with Bakelite Front Only*—Bakelite makes a far better cassette front than aluminum, providing the bakelite sheet is floated in the cassette frame (a Buck patent), which prevents warp or buckle.

No.		Code	Price
3715	5 " x 7 "	TABTE	\$10.00
3716	6½" x 8½"	TABNO	12.00
3717	8 " x 10 "	TABOX	13.50
3718	10 " x 12 "	TABCS	15.50
3719	11 " x 14 "	TABDL	17.50
3720	14 " x 17 "	TABEM	19.50
3721	8 " x 36 "	TABGT	40.00
3722	14 " x 36 "	TABHP	45.00

(Special sizes, price on application)

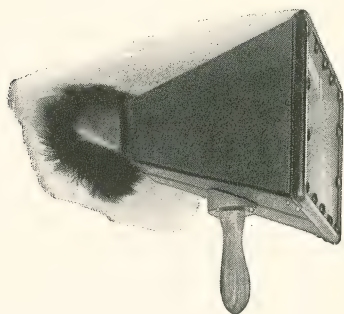
EASTMAN X-ray Exposure Holders



These holders offer a convenient and satisfactory method of handling X-ray film during exposure. They eliminate trouble in loading the usual black and orange envelopes. The hinged cardboard with the orange envelopes, securely fastened by metal clips, permits the film to be handled with greater convenience during exposure. The holders are well made and with ordinary care will last for a considerable time. They are lead backed.

No.		Code	Price
1678	5 " x 7 " (lead-backed)	LADLE	\$0.15
1679	6½" x 8½" (lead-backed)	LAGOO	.25
1680	8 " x 10 " (lead-backed)	LADDE	.25
1681	10 " x 12 " (lead-backed)	LAGUN	.40
1682	11 " x 14 " (lead-backed)	LABEL	.40
1683	14 " x 17 " (lead-backed)	LABIA	.50

FISCHER Hand Fluoroscopes



Consisting of a handsome black leatherette covered box, with heavy roll of fur around eye piece, making it absolutely light proof, and with the latest Patterson Type "B" Super-sensitive Fluoroscopic Screen. Materials and workmanship first class.

No.		Code	Price
1020B	5" x 7" Patterson Type "B" Super-sensitive Screen, mounted in light proof box.	TIGRO	\$22.50
1024B	5" x 7" Patterson Type "B" Super-sensitive Screen, mounted in light proof box with lead glass protection over entire screen.	THIOS	27.50
1025B	5" x 7" Patterson Type "B" Super-sensitive Screen, mounted in light proof box with lead glass protection over entire surface and heavy sheet lead hand protector.	THIRT	32.50
1026B	8" x 10" Patterson Type "B" Super-sensitive Screen, mounted in light proof box with lead glass protection over entire surface and heavy sheet lead hand protector.	THIUR	56.50



PATTERSON Operating Fluoroscopes

Leatherette covering. Held in place before the eyes with elastic bands, as illustrated. When the operator does not desire to use screen, box containing screen may be tilted back against the head. When the box is so tilted a piece of ruby glass automatically falls down in front of the eye piece, protecting the accommodation of the eyes. Equipped with latest Type "B" Patterson Super-sensitive Screen.

No.		Code	Price
1031B	Operating Fluoroscope, equipped with 5" x 7" Patterson Type "B" super-sensitive Screen and heavy lead glass protection	TIPFO	\$58.50

FISCHER Mounted Fluoroscopic Screens

A new-type device—metal frame with handles, mounting a 12"x16" standard screen or Patterson "B" screen, including ropes and counterbalance. Screen can be hung from ceiling in front of X-ray tube, counterbalance against wall. When not in use, screen can be pushed up out of way. Device includes mounted screen, pulleys, ropes and counterbalance.

No.		Code	Price
3992	12" x 16" Standard Screen and Mounting.	IAGFG	\$ 91.50
3993	12" x 16" Patterson "B" Screen and Mounting	SABYX	125.10

(Unmounted Fluoroscopic Screens)

The following numbers include both Patterson and Buck Fluoroscopic Screens, types which are universally used throughout the country, and which have proven eminently satisfactory. The fluorescent salt employed in their manufacture is not affected by ordinary heat or dampness, and if properly mounted in a suitable frame and handled with ordinary care, will render good service for many years.

No.		Code	Price	No.		Code	Price
1021	Patterson Brand, 5" x 7", Screen only	DRENC	\$ 6.65	1094	Buck Brand, 5" x 7", Screen only	ZAVYN	\$ 7.00
1022	Patterson Brand, 8" x 10", Screen only	DUCTO	15.20	1095	Buck Brand, 8" x 10", Screen only	ZAYON	16.00
1023	Patterson Brand, 10" x 12", Screen only	DULCI	22.80	1096	Buck Brand, 10" x 12", Screen only	ZARHO	24.00
1017	Patterson Brand, 11" x 14", Screen only	DUTCH	29.25	1097	Buck Brand, 11" x 14", Screen only	ZILHA	30.80
1018	Patterson Brand, 12" x 16", Screen only	DYADE	36.50	1098	Buck Brand, 12" x 16", Screen only	ZILJE	38.40
1019	Patterson Brand, 15" x 17", Screen only	DYNEZ	45.25	1099	Buck Brand, 14" x 17", Screen only	ZIKIJ	47.60

PATTERSON "Type B" Fluoroscopic Screens

The Patterson "Type B" Fluoroscopic Screen fluoresces with a brilliant yellow-green color. In practical fluoroscopy, the shade of the fluorescent light is slightly modified by varying thickness of body parts. It remains, however, essentially yellow-green. This color is extremely pleasing and restful to observe in the low intensities encountered in fluoroscopy. The improvements embodied in the new screen are more brilliance, greater visibility of detail and higher contrast, all of which enable the roentgenologist to see more with less effort. Recommended for FISCHER shockproof apparatus.

Patterson "Type B" Fluoroscopic Screen only				Patterson "Type B" Fluoroscopic Screen only			
No.		Code	Price	No.		Code	Price
3440	5" x 7"	GNASI	\$13.00	3443	11" x 14"	GREGO	\$57.00
3441	8" x 10"	GLENA	30.00	3444	12" x 16"	GROAT	72.00
3442	10" x 12"	GRAPE	45.00	3445	14" x 17"	GROVE	89.00

X-RAY FILMS

In selecting X-ray films, there are certain points important to keep in mind. Naturally each type or brand of film has its own characteristics. One film, for instance, will operate best at one voltage, another film at a different voltage. Films react differently also in the processes of development. In dental work sometimes slow films may be wanted for greater detail; at other times the greatest speed is desirable. There is something to be said, further, for the operator's own experience. Using a certain brand of film, an operator may be getting entirely satisfactory results. Changing to another brand of films, and still using his old technic, may upset everything. Familiarity with the nature of a film is necessary. For convenience of customers we have listed all brands. (If you have difficulty with films, put your problem to us. We shall be glad to recommend the proper procedure.)

GEVAERT Super Rapid X-ray Films—Safety Base

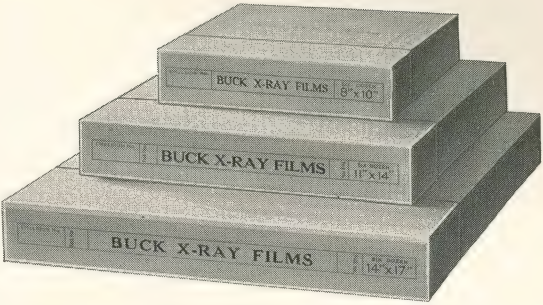
The value of a radiograph as a diagnostic medium is vitally affected by film contrast of the proper kind. There are two distinct types of contrast in a properly constituted emulsion. The most common is PHOTOGRAPHIC CONTRAST—that property in a film which produces extreme blacks and whites, a characteristic as a rule valuable by itself chiefly for producing a spectacular demonstration. DIAGNOSTIC CONTRAST, however, is the truly valuable contrast from the standpoint of absolutely accurate interpretation. A "long scale" emulsion possesses this attribute in a high degree, and will produce the many intermediate tones between black and white which alone permit fine tissue differentiation. The registration of fine cancellous bone structure and delicate lung tissue is in direct proportion to the amount of diagnostic contrast possessed by the film—to the inherent length of its scale of gradation; and it will be found that the exposure latitude of such an emulsion is generally greater than that of "short scale" film.

Gevaert films combine the necessary crispness of photographic contrast with the "long scale" which is diagnostically so important. The other qualities essential in a fine film are also possessed by Gevaert films. Added speed; remarkable emulsion toughness; more than average thickness of base; usually great tensile strength of film.

No.		Code	Price	No.		Code	Price
3620	5 " x 7 ", 1 dozen pkg.	HABEN	\$ 1.45	3635	14" x 36", 1 dozen pkg.	TETRY	\$ 21.30
3621	6½" x 8½", 1 dozen pkg.	HABRO	2.30	3627	8" x 10", ½ gross pkg.	HATAX	19.10
3622	8 " x 10 ", 1 dozen pkg.	HACHE	3.30	3628	10" x 12", ½ gross pkg.	HAWKE	30.00
3623	10 " x 12 ", 1 dozen pkg.	HAEMA	5.20	3629	11" x 14", ½ gross pkg.	HAYEM	38.25
3624	11 " x 14 ", 1 dozen pkg.	HAFNI	6.60	3630	14" x 17", ½ gross pkg.	HAYGA	58.05
3625	14 " x 17 ", 1 dozen pkg.	HAFUS	10.05	3632	8" x 36", ½ gross pkg.	HEDOM	70.00
3626	7 " x 17 ", 1 dozen pkg.	HARMO	5.20	3633	14" x 36", ½ gross pkg.	HEXOD	123.00
3634	8 " x 36 ", 1 dozen pkg.	HEXTO	12.20				

BUCK Silver Brand X-ray Films

Speed with contrast, and freedom from chemical fog are the outstanding points of superiority. The process used in the manufacture of Buck Silver Brand X-ray Films insures the making of a very uniform product. The silver bromide crystals are very fine, which aids in the registration of the most delicate detail. It develops and fixes freely, also resists to a considerable degree the softening effect of warm wash water—dries quickly. To manufacture a fast film which possesses good keeping quality requires the proper processing of the finest materials and complete elimination of foreign chemicals or matter by the use of the right kind of water for washing emulsions, and it is for this reason that Buck Silver Brand X-ray Films give very little trouble from deterioration. *Safety Base.*



No.		Code	Price	No.		Code	Price
3315	5 " x 7 ", 1 doz. box.	ONCOS	\$1.45	3320	14 " x 17 ", 1 doz. box.	ONYXI	10.05
3316	6½" x 8½", 1 doz. box.	ONANO	2.30	3321	7 " x 17 ", 1 doz. box.	OPACI	5.05
3317	8 " x 10 ", 1 doz. box.	ONIER	3.30	3322	8 " x 36 ", 1 doz. box.	OPAQU	12.20
3318	10 " x 12 ", 1 doz. box.	ONYCH	5.20	3323	14 " x 36 ", 1 doz. box.	OMAZY	21.30
3319	11 " x 14 ", 1 doz. box.	OOCYT	6.60				

Also obtainable in ½ gross packages—see Gevaert ½ gross prices bottom page 24.

EASTMAN Ultra-Speed X-ray Films

Eastman Ultra-Speed X-ray Films are evolutionary products of continued scientific research to keep pace with radiographic progress. Their outstanding advantage is greater sensitivity, which makes possible the use of shorter exposures or less kilovoltage than has ever before been possible in radiography. Safety film solves the storage and filing problem because it complies with the most rigid fire regulation.

Like all previous Eastman X-ray Films, Ultra Speed are inherently uniform. With correct exposure and standardized time-temperature processing, radiographs of unvarying quality and having all the desired detail and contrast may be obtained. *Ultra Speed, Safety Base.*

No.		Code	Price	No.		Code	Price
3300	5 " x 7 ", 1 doz. pkg.	OPHTH	\$1.45	3304	11 " x 14 ", 1 doz. pkg.	ORBIT	6.60
3301	6½" x 8½", 1 doz. pkg.	OPUM	2.30	3305	14 " x 17 ", 1 doz. pkg.	ORCHI	10.05
3302	8 " x 10 ", 1 doz. pkg.	OPPIL	3.30	3298	8 " x 36 ", 1 doz. pkg.	TACAM	12.20
3303	10 " x 12 ", 1 doz. pkg.	OPSIM	5.20	3299	14 " x 36 ", 1 doz. pkg.	TACHE	21.30

Also obtainable in ½ gross packages—see Gevaert ½ gross prices bottom page 24.

DUPONT X-ray Films
Known as the Original Blue Base Film

The use of blue dye in the base eliminates that yellowness which is characteristic of cellulose products. With its high melting point emulsion and low water absorption it is ideal for hot water because these features insure minimum softening and rapid drying. The photographic characteristics of DuPont Film are uniformly good throughout the years, which is a great aid in producing routine radiographs of the desired density, clarity and contrast.

No.		Code	Price	No.		Code	Price
2960	5 " x 7 ", 1 doz. pkg.	KABAB	\$ 1.45	2964	11 " x 14 ", 1 doz. pkg.	KABEF	6.60
2961	6½" x 8½", 1 doz. pkg.	KABBC	2.30	2965	14 " x 17 ", 1 doz. pkg.	KABFG	10.05
2962	8 " x 10 ", 1 doz. pkg.	KABCD	3.30	2966	14 " x 36 ", 1 doz. pkg.	KABGH	21.30
2963	10 " x 12 ", 1 doz. pkg.	KABDE	5.20				

Also obtainable in ½ gross packages—see Gevaert ½ gross prices bottom page 24.

EASTMAN Radia-Tized Dental X-ray Film Packets

Their many distinctive features have made Eastman Radia-Tized Films an outstanding choice for periapical radiography. Sensitive emulsions are coated on both sides of the base; thus, two superimposed images are obtained in the radiograph. The packets are machine-made, from white, sanitary, waterproof paper, and have rounded corners to give added comfort. An embossed dot readily indicates the tube side. The sensitivity of Radia-Tized films is midway between "Extra-Fast" and "Regular" films.

Two sizes are available: Standard (1 1/4" x 1 5/8"), for usual adult cases; No. 0 (7/8" x 1 3/8"), for adults with narrow arches, and for children. The standard size packets are supplied in boxes of two dozen packets or one gross dispenser packages; the No. 0, in boxes of two dozen packets.

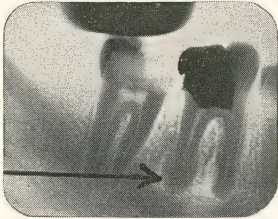
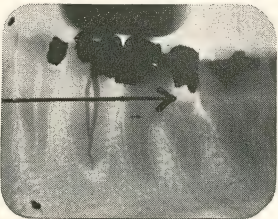


No.		Code	Price
1673	Safety Base, 1 1/4" x 1 5/8", 2 film packet, 1 gross dispenser pkg. (AD Type)	SAFAD	\$6.00
3266	Safety Base, 1 1/4" x 1 5/8", 2 film packet, 1/2 gross pkg. (AD Type)	OSCIL	3.10
3267	Safety Base, 1 1/4" x 1 5/8", 2 film packet, 2 dozen pkg. (AD Type)	OSCOD	1.10
1672	Safety Base, 1 1/4" x 1 5/8", single film packet, 1 gross dispenser pkg. (A Type)	SABAF	5.00
3268	Safety Base, 1 1/4" x 1 5/8", single film packet, 1/2 gross pkg. (A Type)	OSLER	2.60
3269	Safety Base, 1 1/4" x 1 5/8", single film packet, 2 dozen pkg. (A Type)	OSMAT	.90
3270	Safety Base, 7/8" x 1 3/8", 2 film packet, 2 dozen pkg. (O-AD Type)	OSMIC	1.10

EASTMAN Regular (Slow) Brand Dental X-ray Film Packets

Films with slow emulsion when exposed to the proper amount of X-ray usually finish with more contrasty detail than films with more sensitive emulsion.

No.		Code	Price
3271	Eastman Regular (Slow) Brand Dental X-ray Film Packets, 1 1/4" x 1 5/8", 2 film (thin) packet, 1 gross pkg. (CD Type)	OSGOO	\$4.50
3272	Safety Base	OSMOL	2.35
3273	Same description as above except 1/2 gross pkg.	OSMOL	2.35
3274	Same description as above except 2 doz. pkg.	OSSAY	.85
3275	Same description as above except Single film, 1 gross pkg. (CS Type)	OSSIC	3.75
3276	Same description as above except Single film, 1/2 gross pkg. (CS Type)	OSTEA	1.95
3276	Same description as above except Single film, 2 dozen pkg. (CS Type)	OSTHE	.70



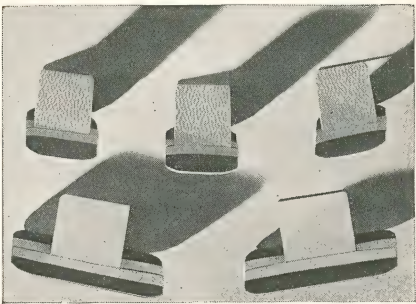
EASTMAN Extra-Fast Brand Dental X-ray Film Packets

Extra-Fast or "Speed" films that have extremely sensitive emulsion and require but very short exposures.

No.		Code	Price
3277	Eastman Extra-Fast Brand Dental X-ray Film Packets, 1 1/4" x 1 5/8" 2 film (thin) packet, 1 gross pkg. (CCD Type) Safety Base	OSTOS	\$4.50
3278	Same description as above except 1/2 gross pkg.	OSTRY	2.35
3279	Same description as above except 2 dozen pkg.	OTACO	.85
3280	Same description as above except Single film, 1 gross pkg. (CCS Type)	OTALA	3.75
3281	Same description as above except 1/2 gross pkg. (CCS Type)	OTECT	1.95
3282	Same description as above except 2 dozen pkg. (CCS Type)	OTIAT	.70

EASTMAN Bite-Wing Dental X-ray Film Packets

The periodic X-ray examination—Raper Technic—is accomplished by use of the Bite-Wing Film. A wing is provided on which the patient bites; then the crown and coronal third or both the upper and lower dentures are exposed on the film. A complete examination consists of either seven or five films, as three sizes of packets are available—Type 1 for anteriors, and Types 2 and 3 for posterior areas.



No.		Code	Price
635	Safety Base, 7/8" x 1 1/2", 1 dozen package (Type 1), anterior	BITER	\$0.65
636	Safety Base, 1 1/8" x 1 5/8", 1 dozen package (Type 2), posterior	BITMO	.75
637	Safety Base, 1 1/4" x 2 1/8", 1 dozen package (Type 3), posterior	BITLA	.85

EASTMAN Occlusal Dental X-ray Film Packets

This film is so named because it is retained in position by the full bite of the patient, and because it is ideal to record the relationship of the teeth in the horizontal plane. It is particularly valuable in the location of impactions and the examination of calculi in the salivary duct. Occlusal Films are supplied in the same type white, sanitary packets as Radia-Tized films. They may be obtained with either of two emulsions—Regular (Slow) or Ultra-Speed.

No.		Code	Price
3290	Safety Base, 2 1/4" x 3" (Slow), 2 film packet, 1 dozen package	OTOAN	\$2.00
3291	Safety Base, 2 1/4" x 3" (Ultra-Speed), 2 film packet, 1 dozen package	OTOPH	2.00

BUCK Silver Brand Dental X-ray Film Packets

A dental film which possesses the desirable qualities characteristic of a slow, or Regular Brand film with one-half the exposure; a tough emulsion, free from objectionable curl, which withstands the effect of warm wash water; dries quickly; coated on one side of the cellulose base only, which means maximum sharpness of detail and no chance to make a mistake by not knowing which side of the film faced the X-ray tube during exposure. Designated by an ALUMINUM coated facing on each packet.

No.		Code	Price
3225	Safety Base, 1 1/4" x 1 5/8", 2 film packet, 1 gross pkg.	OTOSI	\$6.00
3226	Safety Base, 1 1/4" x 1 5/8", 2 film packet, 1/2 gross pkg.	OUROL	3.10
3227	Safety Base, 1 1/4" x 1 5/8", 2 film packet, 2 dozen pkg.	OUTDO	1.10
3228	Safety Base, 1 1/4" x 1 5/8", single film packet, 1 gross pkg.	OUTPA	5.00
3229	Safety Base, 1 1/4" x 1 5/8", single film packet, 1/2 gross pkg.	OVADI	2.60
3230	Safety Base, 1 1/4" x 1 5/8", single film packet, 2 dozen pkg.	OVERE	.90
3243	Safety Base, 1" x 1 1/4" (Molar), 2 film packet, 2 dozen pkg.	OVIFO	1.10
3244	Safety Base, 2 1/4" x 3" (Occlusal), 2 film packet, 1 dozen pkg.	OVOSE	2.00

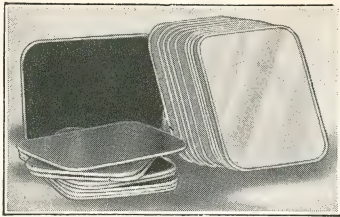
BUCK Regular (Slow) Dental X-ray Film Packets

A slow film; very fine grain; possesses great brilliancy, and should be given consideration where the power of your equipment will permit. This brand is designated by a BLACK facing on each packet.

No.		Code	Price
3231	Safety Base, 1 1/4" x 1 5/8" (slow), 2 film packet, 1 gross pkg.	OVULE	\$6.00
3232	Safety Base, 1 1/4" x 1 5/8" (slow), 2 film packet, 1/2 gross pkg.	OXACI	3.10
1648	Safety Base, 1 1/4" x 1 5/8" (slow), 2 film packet, 2 dozen pkg.	BULLA	1.10
3234	Safety Base, 1 1/4" x 1 5/8" (slow), single film packet, 1 gross pkg.	OXALU	5.00
3235	Safety Base, 1 1/4" x 1 5/8" (slow), single film packet, 1/2 gross pkg.	OXBOT	2.60
3236	Safety Base, 1 1/4" x 1 5/8" (slow), single film packet, 2 dozen pkg.	OXIBA	.90

BUCK Speed Dental X-ray Film Packets

Requires about one-fourth the exposure necessary for the Regular (Slow) Brand. This additional speed is very desirable for use with X-ray equipment of low power or where short exposure is necessary. This brand is designated by a RED facing on each packet.



No.		Code	Price
3237	Safety Base, 1 1/4" x 1 5/8" (speed), 2 film packet, 1 gross pkg.	OXYGE	\$6.00
3238	Safety Base, 1 1/4" x 1 5/8" (speed), 2 film packet, 1/2 gross pkg.	OXYOS	3.10
1649	Safety Base, 1 1/4" x 1 5/8" (speed), 2 film packet, 2 dozen pkg.	SPEED	1.10
3240	Safety Base, 1 1/4" x 1 5/8" (speed), single film packet, 1 gross pkg.	OXYSA	5.00
3241	Safety Base, 1 1/4" x 1 5/8" (speed), single film packet, 1/2 gross pkg.	OXXAA	2.60
3242	Safety Base, 1 1/4" x 1 5/8" (speed), single film packet, 2 dozen pkg.	OXXBB	.90

BUCK Double Coated Blue Base Dental Film Packets

Coated on safety blue base, and manufactured in No. 1 (1 1/4" x 1 5/8") size, MEDIUM SPEED only.

No.		Code	Price
3245	Safety Base, 1 1/4" x 1 5/8", single film packet, 2 dozen pkg.	TENIA	\$0.90
3246	Safety Base, 1 1/4" x 1 5/8", single film packet, 1/2 gross pkg.	TAGET	2.60
3247	Safety Base, 1 1/4" x 1 5/8", single film packet, 1 gross pkg.	TAGMA	5.00
3248	Safety Base, 1 1/4" x 1 5/8", 2 film packet, 2 dozen pkg.	TAILO	1.10
3253	Safety Base, 1 1/4" x 1 5/8", 2 film packet, 1/2 gross pkg.	TAKAD	3.10
3254	Safety Base, 1 1/4" x 1 5/8", 2 film packet, 1 gross pkg.	TALKA	6.00

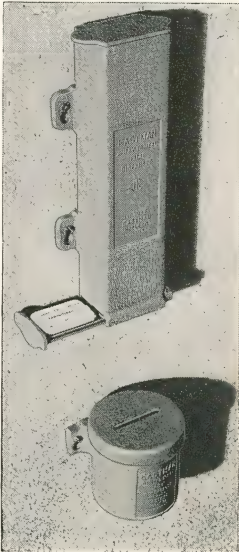
EXCELSIOR Dental X-ray Films

Furnished in one speed emulsion only, which is slightly faster than the "slow" types but not so fast as the "speed" types. These are high class lead-backed films. Packed in boxes of 1/4, 1/2 or full gross, two films in each packet.

No.		Code	Price
2341	Excelsior Dental Films, 1 1/4" x 1 5/8", 1/4 gross pkg.	CABOO	\$0.80
2342	Excelsior Dental Films, 1 1/4" x 1 5/8", 1/2 gross pkg.	ZIJUK	1.50
2343	Excelsior Dental Films, 1 1/4" x 1 5/8", 1 gross pkg.	GADBE	3.00
Excelsior Dental Films are also furnished in single film packets, in containers of a full gross, only.			
2340	Excelsior Dental Films, one film in packet, 1 gross pkg.	GRUEN	2.75

EASTMAN Dental X-ray Film Dispenser and Receptacle

The Eastman Film Dispenser and the Eastman Film Receptacle are practical necessities; they are made of X-ray resistant metal to protect dental X-ray films from radiation while in the exposure room. The Dispenser accommodates the one-gross Dispenser package of Radia-Tized films. It attaches to the wall or cabinet with four screws. With the press of the plunger, a film packet is delivered ready for exposure. The Receptacle, which accommodates the exposed films, attaches to the wall, about six inches below the Dispenser, with two screws. When the film is exposed, it is dropped through the slot in the cap-cover into a paper cup inside the Receptacle. When the examination is completed, the cup is removed and taken to the processing room. All the films for one case thus are kept together until they are placed on the developing hangers.



No.		Code	Price
1188	Dental X-ray Film Dispenser	DISPE	\$6.00
1189	Dental X-ray Film Receptacle	RECEP	3.50



FISCHER Dental Films Easiest to Open in Darkroom

A new dental film packet now available to the profession. Thin, with round corners, FISCHER dental films combine efficiency with comfort satisfying to the patient. They are the most convenient packets to open in the darkroom—a slight bend elevates the rip tab—pull the tab and the packet is opened. The film is the best that modern emulsion making can produce—giving contrast without sacrifice of detail. Safety base. Packed in one gross, one-half gross and 2-dozen boxes.

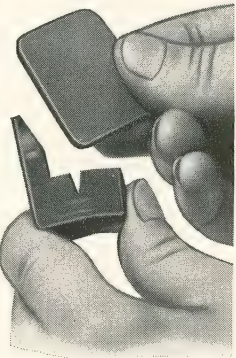
No.		Code	Price
3765	Regular FISCHER, Single Film, 1 gross box	THEOB	\$3.00
3774	Regular FISCHER, Single Film, 1/2 gross box	TICKO	1.65
3766	Regular FISCHER, Single Film, 2 dozen box	THESI	.60
3767	Regular FISCHER, Double Film, 1 gross box	THIAL	3.75
3775	Regular FISCHER, Double Film, 1/2 gross box	TIDAL	2.00
3768	Regular FISCHER, Double Film, 2 dozen box	THIGS	.70



DENTAL FILM HOLDERS

In order to obtain satisfactory radiographs of the teeth it is very important that the film be placed and held in such a manner as to conform to the curvature of the patient's mouth, and at the same time present as near as possible a flat plane on which to project the radiographic image of the teeth, thereby overcoming distortion. The use of a dental film holder will greatly overcome the possibility of the patient moving during the exposure, which is a common difficulty when the patient's finger is used to hold the film packet in position. Gagging is also less likely to occur when film holders are used.

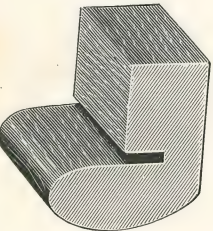
The BUCK Film Holder



The Buck Film Holder consists of a single molded piece of soft, but not too flexible, gum rubber—no seams or crevices to interfere with sterilization. The cushion of the rubber block prevents the holder from popping out of position when raying the molar teeth, as is sometimes the case with a non-cushion block. Place the film packet in the holder as illustrated; when the block is released the packet will stay in position. Manufactured in one size only, and sold singly. Before positioning the film packet it should be bent to conform to the curvatures of the patient's mouth. This will largely overcome any discomfort on the part of the patient, and greatly aid in preventing distortion. A dental film packet which will retain the bend given it is by far the most desirable packet under such conditions.

No.		Code	Price
3206	Buck Dental Film Holder (each)	OBEXA	\$0.50

The "SP" Wooden Film Retainer



The wood block film holder is used to support the radiographic film in the mouth, especially where it is difficult for the patient to hold the film in proper position or when patient is distressed with the film. Can be used either for uppers or lowers. Easily sterilized.

No.		Code	Price
1632	"SP" Wooden Film Holder, box of ten blocks	SHAPA	\$0.25

X-RAY DEVELOPING TANKS

For All Films to and Including 14" x 17"

New developing tank unit made in one piece of specially compounded hard rubber. Complete unit (No. 2908) and stand weighs only 75 lbs. Double capacity washing compartment. Standpipe for taking water overflow—saves plumbing expense, both inlet and outlet in one fitting at bottom of tank insuring fresh water circulation in wash compartment. The entire tank can be quickly drained for cleaning or renewal of solutions. We furnish lid for tank, overflow pipe, combination inlet and outlet fitting and iron stand—all ready for connection to water supply and sewer—no unsightly pipes in the way. This is a special composition which will not bulge out of shape, absolutely acid and chemical proof—fully guaranteed in every respect. Comes in two sizes.

No.		Code	Price
2908	X-ray developing tank complete with stand, lid and pipe, capacity 5 gallons, wash compartment 15 gallons.....	KANGA	\$55.00
2909	Same as above only 2½ gallon capacity.....	TROZO	40.00
Same as 1927, only 2½ gallon capacity (see page 31) ..			

For All Films to and Including 8" x 10"

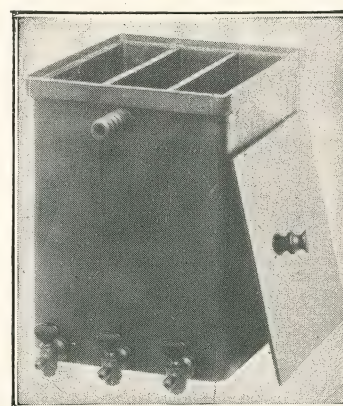
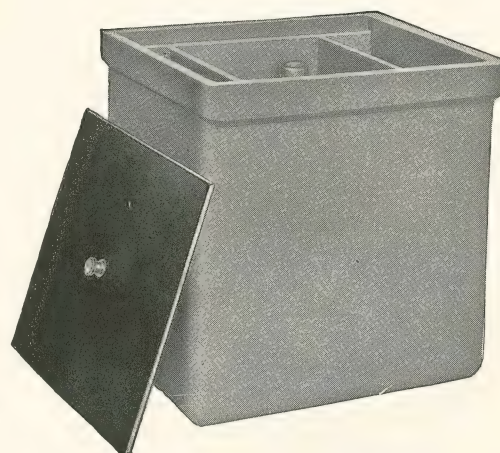
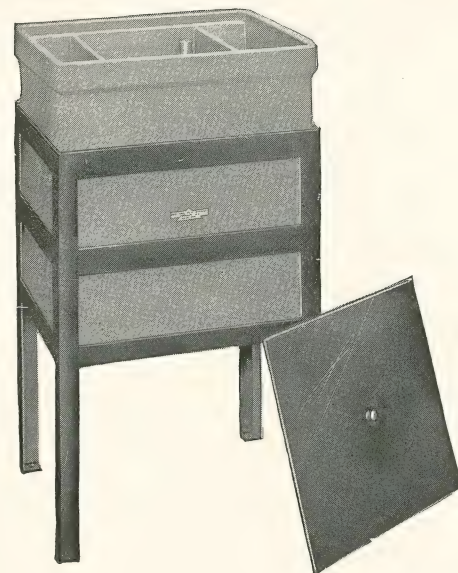
New developing tank unit, made in one piece of specially compounded hard rubber. Double capacity washing compartment. A special plumbing connection with standpipe overflow is provided. This connection—an entirely new feature—is specially constructed to allow for water intake and drainage at the same time. It saves plumbing expense and insures a fresh circulation of water at all times. The entire tank can be quickly and thoroughly drained for cleaning or renewal of solutions. New type cover furnished for tank, overflow pipe and plumbing connection—all ready for connection to water supply and sewer—when installed, no unsightly pipes will be in the way. The tank has sufficient depth and width to accommodate a 14 clip dental film hanger. Fully guaranteed in every respect. Capacity of solution compartments 1 gallon. Capacity of wash compartment, 3 gallons. Length 10", width 12", height 13", shipping weight 35 lbs.

No.		Code	Price
2902	X-ray developing tank including fittings, cover and overflow.....	KAFIR	\$35.00
2904	X-ray developing tank same as No. 2902 but with spigots.....	KAKAS	35.00

For All Films to and Including 5" x 7"

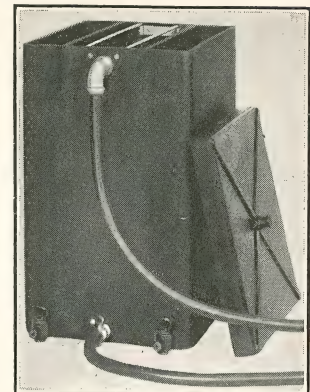
Built in one piece, thereby eliminating all moving parts. Can be installed permanently, or moved at will. Center chamber is provided for running water, with intake at bottom and overflow at top, insuring fresh circulation of water. New type cover for tank, guaranteed to keep out dust and light. This is a special composition of hard rubber, which will not bulge or warp out of shape, acid proof, fully guaranteed against any structural defects. Length, 7½"; width, 7"; height, 9½". Capacity of compartments, ½ gallon each. Weight, packed for shipment, 10 lbs.

No.		Code	Price
2900	X-ray developing tank including fittings and cover.....	KAABA	\$15.00



FISCHER Hard Rubber Developing Tank

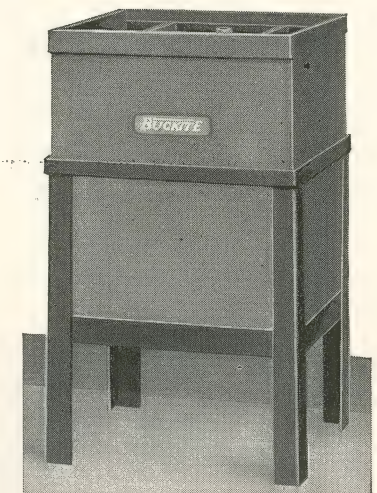
This outfit consists of a hard rubber tank measuring 10 inches long by 9 inches wide by 15 inches deep, within which are two rubber separators, forming three compartments; for developer, water and hypo fixer. Each compartment has its own drain cock. The center or water compartment has both inlet and outlet. Three feet of heavy laboratory hose is supplied for connection from water supply to lower faucet, the overflow passing into the sink through the metal overflow at the top. Fitted with cover as illustrated. Also fitted with metal bars at top of water compartment to hold dental film hangers while washing. Tanks accommodate films in hangers up to and including 8"x10", and hold a full gallon of both developing and fixing chemicals.



No.		Code	Price
1921	FISCHER Developing Tank with 2 No. 1628 film hangers.....	ZIAWS	\$25.00

BUCK 3-Compartment Ebonite Tank

A one-piece, three-compartment tank which accommodates films up to and including 14"x17". The standpipe overflow and drain outlet, also the water inlet fixtures, are of brass. The tank is mounted on an angle iron base of very substantial construction. The solution compartments each hold 5 gallons and are raised approximately two inches above the bottom of the washing compartment, into which they empty by the use of a cork or rubber plug. The washing compartment holds 15 gallons. Elevating the solution compartments above the washing compartment permits free draining and easy cleaning when changing developing and fixing solutions.



No.		Code	Price
1927	Buck Three-Compartment Ebonite Tank.....	ZELNY	\$55.00

BUCK Solution Tanks

Molded of Buckite, without seams or joints. Impervious to acid or alkali. Will not disintegrate, scale off, chip or develop pinholes. Ribs cast in block permit free circulation of water beneath the tank. Made in four sizes—2½, 5, 10, and 15 gallons.

No.		Code	Price
2910	BUCK 2½ gallon tank (2¼" x 16¼" x 23¾").....	TIEDE	\$10.00
2911	BUCK 5 gallon tank (4½" x 16¼" x 23¾").....	TIGER	12.00
2912	BUCK 10 gallon tank (9 " x 16¼" x 23¾").....	TILIA	15.00
2913	BUCK 15 gallon tank (13½" x 16¼" x 23¾").....	TILMY	18.00

BUCKITE Refrigerated Developing Unit

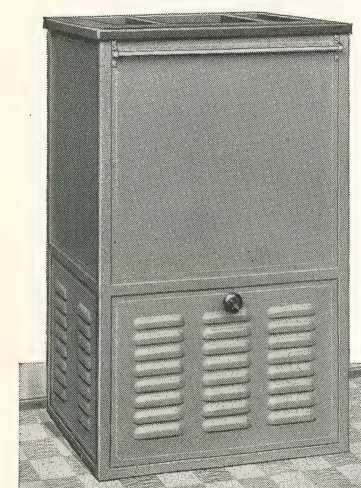
This unit takes the "darkroom grief" out of the summer months and enables you to make better radiographs with far less effort. Your developing solutions will last longer, and you will avoid the trouble and inconvenience resulting from the use of ice.

The Buckite Refrigerated Developing Unit is built in two sizes—Catalog No. 4000 and Catalog No. 4001.

Catalog No. 4000 has a capacity of 5 gallons each of developer and fixer, plus suitable washing space. Floor space required, 23" deep by 27" front—height 42"—110 volt, 60 cycle A. C. motor is standard. Any other will be special—shipping weight, 500 lbs.

Catalog No. 4001 has a capacity of 2½ gallons each of developer and fixer, plus suitable washing space. Floor space required, 20" deep by 23" front—height 42"—110 volt, 60 cycle A. C. motor is standard. Any other will be special. Shipping weight, 450 lbs. In both units the wash water is automatically cooled to the same temperature as the developing solutions.

No.		Code	Price
4000	Buckite Refrigerated Developing Unit.....	SABKJ	\$375.00
4001	Buckite Refrigerated Developing Unit.....	SABJI	350.00



Porcelain Enameled Tanks

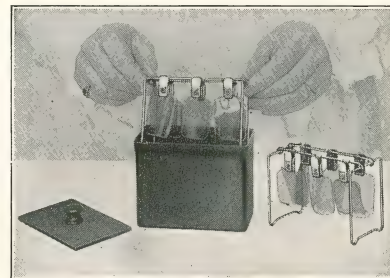
Blue enameled outside and white inside, with turned-over rim at the top. The smaller sizes listed below are widely used in dental laboratories; larger sizes used alone, or in combination with galvanized tanks. Not guaranteed. We can but furnish the best quality possible.

No.		Code	Price
1698	Tank for 8" x 10" films. Size 2" x 9" x 14"—1 gallon	IMAGE	\$ 6.00
1700	Tank for 14" x 17" films. Size 2" x 15" x 20"—3 gallons	IMPOS	11.00
1701	Tank for 14" x 17" films. Size 5" x 15" x 20"—5 gallons	IMPUG	13.00

Dental Film Developing Tank

This convenient little tank is made of hard rubber and holds 12 ounces of solution. The tank is equipped with a lid also made of hard rubber. A special 6-clip film developing hanger listed as No. 1630 is supplied for use with this tank.

No.		Code	Price
2355	Dental Film Tank Combination, 12-ounce tank and one No. 1630 hanger	ZASAF	\$1.35
2356	Dental Film Developing Tank, 12-ounce size tank with lid. ZASEG		.75
1630	Dental Film Developing Hanger, six clips for use in the above tank	DIXYO	.75



BUCK Model "B" Dental Tank

Designed to be set in a sink or tray. Drain holes in the bottom of each compartment and overflow in back of washing compartment. Made of Buckite. Will not disintegrate, scale off, chip or develop pinholes. Outside dimensions, 12x15x18 inches. Has light-tight cover. End compartments hold one gallon. Center compartment four gallons.

No.		Code	Price
1693	BUCK Model "B" Dental Tank	THOMA	\$22.50



BUCK Master Tank

Ideal for use where climate necessitates cooling the developing and fixing solutions during the summer months. Permits cold water to surround solutions. Made of Buckite. Not affected by chemical action. Will not disintegrate, scale off, chip or develop pinholes. Overflow at center of back. Outlet part at bottom, controlled by valve. Fixtures of brass. Base, angle iron with welded joints, black enameled. Available in two sizes—30 inch inside measurements, end to end, by 26 inches deep and 22 inch inside measurement by 26 inches deep. Width 18 inches, inside measurement.

No.		Code	Price
2898	BUCK Master Tank (30" x 26")	TINCA	\$90.00
2899	BUCK Master Tank (22" x 26")	TINEO	75.00



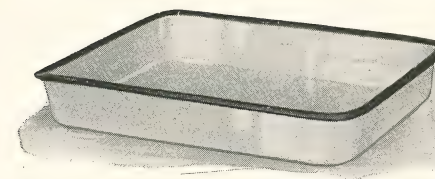
FISCHER 3-Compartment Tank—14" x 36" Films

Hard rubber composition. Supported in angle-iron frame. Drain fittings. For use in developing large 14" x 36" films. Best quality. Hard rubber cover.

No.		Code	Price
2914	FISCHER 3-Compartment Tank for 14" x 36" films	TOTSU	\$100.00

Enameled Steel Developing Trays

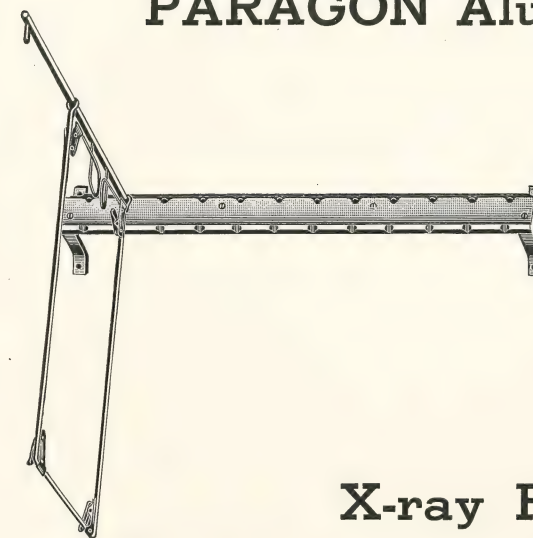
Not guaranteed. We can but furnish the best quality possible.



No.		Code	Price
1604	For 5" x 7" films	ADEPS	\$1.00
1605	For 8" x 10" films	ADLER	1.50
1606	For 10" x 12" films	AGARI	2.00
1607	For 11" x 14" films	AGAVE	3.00
1608	For 14" x 17" films	AGNEA	4.00

PARAGON Aluminum Film Drying Rack

An all aluminum film drying rack to hold twelve films. Extremely simple in its design and operation. Complete with screws for wall mounting.

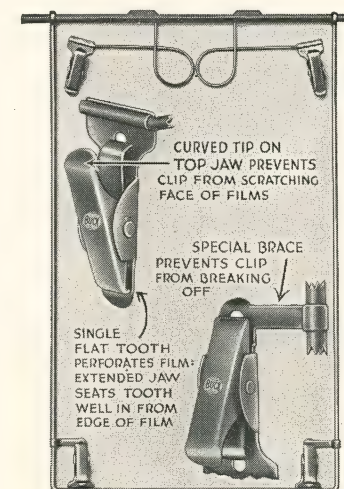


No.		Code	Price
3261	Paragon Aluminum Drying Rack	THORY	\$4.00

X-ray Film Developing Hangers

The process of X-ray films is made much easier where the tank development is used, by the use of developing hangers. Not only the development but fixing, washing and drying are also facilitated by their use.

The hangers are made of metal which is unaffected by the action of developing solution. A spring clip at each corner securely grips the film so that it is handled conveniently. The hangers are made with a 16-inch cross-bar for use to the best advantage in the tank method.

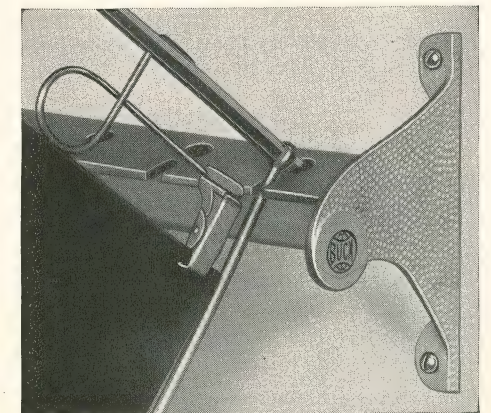


No.		Code	Price
1715	Size 5" x 7"	INCUR	\$1.00
1716	Size 6½" x 8½"	INDEE	1.10
1717	Size 8" x 10"	INDEN	1.25
1718	Size 10" x 12"	INDEX	1.50
1719	Size 11" x 14"	INDIA	1.75
1714	Size 14" x 17"	INDIC	2.00
3732	Size 14" x 36"	TANAX	9.50

BUCK Film Drying Rack

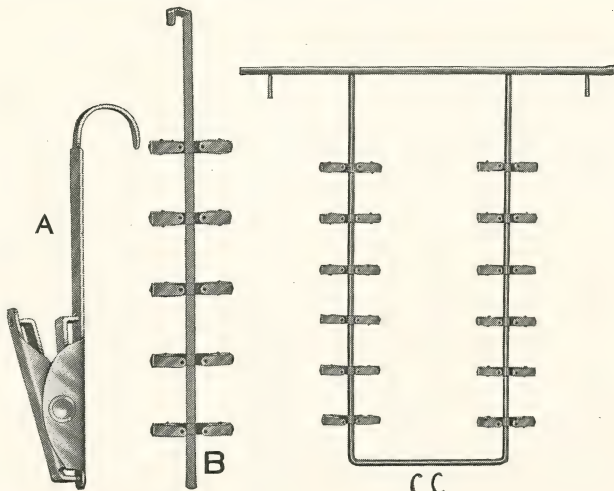
Used for draining films, which hastens drying. Made to accommodate the standard makes of film-developing frames with hex or square top bar. Made entirely of brass, end plates nicked. Standard rack holds 12 frames.

No.		Code	Price
3265	Film Drying Brackets (for 12 films)	OBLIG	\$4.25



BUCK Dental Film Developing Clips

Each clip is made with a single tooth upper jaw which firmly clamps the film against a perforated lower jaw, thereby securely holding the film without making an ugly perforation or crimping the edge. The flat spring is much heavier and stronger than would be possible with any other style of spring in such a limited space. Silver deposits on the surface of the spring will not interfere with its flexibility. All clips are rigidly mounted on a heavy bar. The variety of styles manufactured will meet the requirements of every office, laboratory and hospital. The 16-inch top bar on Nos. 3399, 3400 and 3401 fits the standard developing tank used for 14" x 17" films. All clips are securely riveted to the bar or frame. This overcomes the possibility of the clips coming loose. The substantial construction means long life and economy.

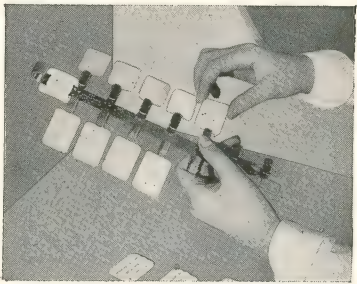


No.		Code	Price
3395	Single Clip.....	(Buck Style A).....OCCAY	\$1.50
3396	Ten Clips.....	(Buck Style B).....OCCIP	1.50
3397	Twelve Clips.....	(Buck Style C).....OCCUL	1.75
3399	Twenty Clips.....	(Buck Style BB).....OCHLE	3.50
3400	Twenty-four Clips.....	(Buck Style CC).....OCHRO	4.00
3401	Twenty-eight Clips.....	(Buck Style DD).....OCINU	4.50
3403	Short style for dental tanks (Buck Style SD).....	OCTIP	2.00

EASTMAN Dental Film Developing Hangers

As illustrated, these are made in various types and groups. Arranged to hang over the side of the developing tank or on a rack for drying purposes. Eastman hangers have a white marker at the upper end of the rod on which the case number may be written.

No.		Code	Price
1627	(Eastman No. 2) Dental Film Hanger—10 clips.....	DAXED	\$1.25
1628	(Eastman No. 3) Short Model with 10 clips.....	DEDAY	1.25
1629	(Eastman No. 4) Long Model with 14 clips.....	DADYI	1.50
1630	(Eastman No. 5) With 6 clips for use in special shallow developing tanks.....	DIXYO	.75
1634	(Eastman No. 7) Dental Film Hanger, 16 clips.....	DAGTW	1.75



EASTMAN Dental Film Developing Clips

These individual clips for holding a single film can be suspended on the side of the tank. Each clip has a white marker on which a case identification may be written.

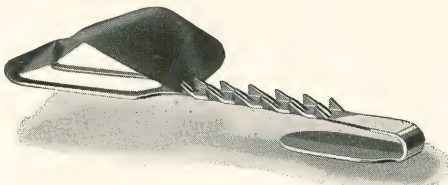
No.		Code	Price
1631	Clips, per dozen.....	DENEN	\$0.80
1639	Single Film Clip with hook to hang over edge of tank or tray, per dozen.....	DAFTA	1.10



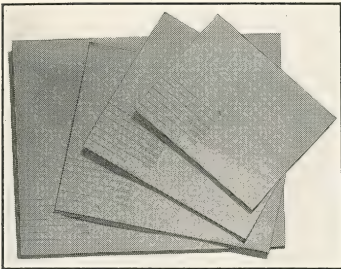
FISCHER Film Holder

For holding the dental film (of any size) during developing, fixing and drying. Marking the record number or letter of the case on the small roughened tab serves to identify same, when more than one set is being developed at one time. The fingers can also be kept perfectly dry and clean during the whole operation. Stamped in one piece of pure aluminum, they are practically indestructible.

No.		Code	Price
1646	FISCHER Film Holder, per dozen.....	CASEI	\$2.00



Negative Preservers (Filing Envelopes)



No.		Code	Price
1650	Manila Filing Envelopes, 5 " x 7 " size, per 100.....	FOVEA	\$0.80 .57
1651	Manila Filing Envelopes, 6½" x 8½" size, per 100.....	FRAXX	.68
1652	Manila Filing Envelopes, 8 " x 10 " size, per 100.....	FRETT	.57
1653	Manila Filing Envelopes, 10 " x 12 " size, per 100.....	FROST	.80
1654	Manila Filing Envelopes, 11 " x 14 " size, per 100.....	FOCUS	1.08
1655	Manila Filing Envelopes, 14 " x 17 " size, per 100.....	FUNDA	1.29

EASTMAN X-ray Developer Powders

Eastman X-ray Developer Powders are especially prepared for X-ray development and offer the most economical and convenient means of obtaining the best results in either tank or tray development of films. They cost no more than developers prepared from formulas and their use precludes the possibility of waste through faulty preparation of solutions.

No.		Code	Price
3355	Package of 6 powders, each sufficient to prepare 12 oz. of ready-to-use solution.....	GALAC	\$0.60
3356	Package containing sufficient powder to prepare one gallon of ready-to-use solution.....	GALBY	.85
3357	Package containing sufficient powder to prepare five gallons of ready-to-use solution.....	GALLA	3.50



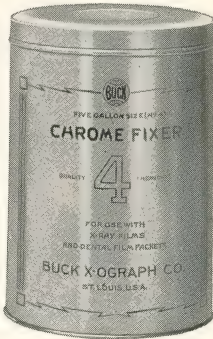
EASTMAN X-ray Fixing Powders

These powders are the final step in the standardization of the processing of X-ray films. They are ready for use with the addition of water, and the solution thus obtained is clear and colorless. They combine fixing with maximum hardening, and are packed in convenient sizes to make tank recharging easy.

No.		Code	Price
3362	Package, for preparing one gallon of solution.....	GALTO	\$0.60
3363	Package, for preparing five gallons of solution.....	GAMET	2.50

BUCK Developer and Chrome Fixer

The value of Buck Developer and Buck Chrome Fixer lies in the lasting quality of the solutions and the diagnostic value of the finished radiograph. In this day of high speed film and equipment, it is absolutely necessary that maximum uniformity be maintained, if satisfactory and economical results are to be expected. To "make good" not only means producing something which is good enough to "get by," but something which is the best possible to produce. The best is the cheapest in the end. Buck Developer and Buck Chrome Fixer are prepared from Mallinckrodt products which are the result of more than 60 years of active research in photographic chemicals—there is nothing better.



BUCK Developing Chemicals

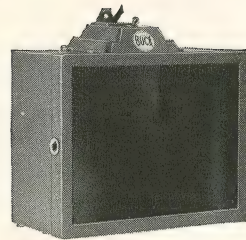
No.		Code	Price
680	Six powders to the package, each powder makes 16 oz. of solution.....	LAIRD	\$0.75
681	Makes 1 gallon solution.....	LAMBO	.85
685	Makes 5 gallons solution.....	LEVAN	3.50

BUCK Fixing and Hardening Chemicals

No.		Code	Price
683	Makes 64 oz. of solution.....	BRAXY	\$0.35
707	Makes 1 gallon solution.....	ZIKGA	.60
708	Makes 5 gallons solution.....	ZIKHE	2.50



BUCK Darkroom Lamps



Made of a substantial weight of steel metal, all joints welded. Inside of each lamp is a curved reflector to give even distribution of light. The electric wiring is concealed according to the best code requirements. The switches used are of the two-pole type which prevents shock if touched with wet hands. The front frame is easily removed to change safelight or bulb. The grey green finish is highly resistant to rust caused by the action of water, developer or fixer.

Nos. 3348 and 3349 can be placed on a shelf or hung on the wall. Supplied with 15-watt frosted electric bulb and extension cord. Red safelights are standard, other colors special.

No.		Code	Price
3348	Model "B" Darkroom Lamp—5" x 7" Safelight only	OCTOM	\$5.50
3349	Model "A" Darkroom Lamp—8" x 10" Safelight only	OCULA	8.00

KODAK Safelight Lamp



The Kodak Safelight Lamp is ideal for all darkroom uses. Fitted with Wratten safelight, which provides even distribution of colored light and perfect safety from white light. Price includes Safelight, four feet of connecting cord and plug. No electric bulb is furnished, but a 25-watt Mazda bulb is recommended.

No.		Code	Price
1602	Kodak Safelight Lamp	BATHK	\$4.00

"BROWNIE" Safelight Darkroom Ruby Lamp



Slightly larger than the electric bulb it holds, the Safelight Lamp screws into an electric socket which may be conveniently situated close to the place where the work is done. With 25-watt bulb.

No.		Code	Price
1601	"Brownie" Safelight Darkroom Ruby Lamp	BATHO	\$2.05

Thermometer

Serves a double purpose; handy as a stirring device, and automatically indicates the temperature of the solutions. Equally valuable in tank or tray development.

No.		Code	Price
202	Thermometer	HERDE	\$1.00

Floating Thermometer

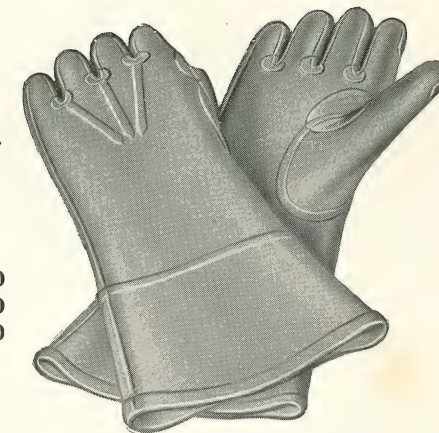
Hydrometer type of floating thermometer, graduated up to 100° Fahrenheit. Has bright red line at 65° (proper temperature for developing solution.)

No.		Code	Price
3296	Floating Thermometer	OBTUN	\$1.10

Leaded Rubber X-ray Protection Gloves

Made of rubber with about 60 per cent lead content. Provide excellent protection from X-rays. Furnished in three sizes.

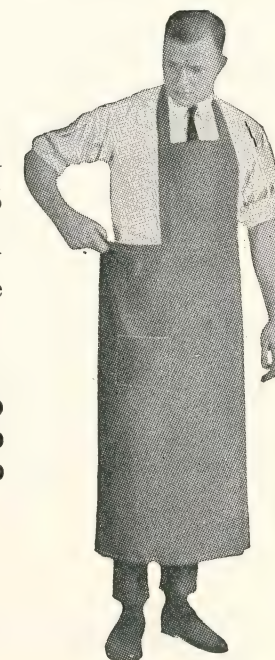
No.		Code	Price
365	Small, per pair	GOFFE	\$ 9.00
366	Medium, per pair	ZIOXY	9.00
367	Large, per pair	ZEYUT	10.00



Leather-Covered Leaded Rubber X-ray Protection Gloves

These gloves are made of soft buckskin, lined with 3/64" leaded rubber, protected with an additional cloth insert. The rubber lining is equal in protection value to .5 mm. lead. Soft and pliable. These gloves permit free movement of the hand and fingers. Also, they offer ample protection in fluoroscopic work. Furnished in three sizes.

No.		Code	Price
371	Small, per pair	COMEN	\$12.00
368	Medium, per pair	ZEZER	12.00
369	Large, per pair	ZEYVY	13.00



Waterproof Aprons

Made of first quality, heavy fabric with a base of rubber. They are water and chemical proof, protecting the regular wearing apparel in all processing work in the darkroom.

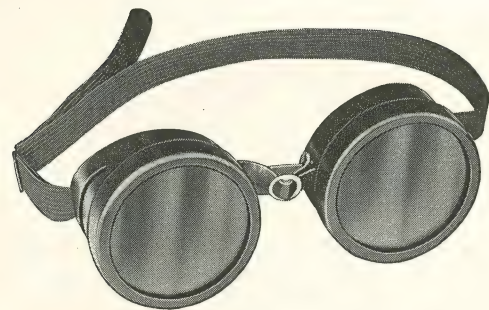
No.		Code	Price
3369	Waterproof Apron	OBFUS	\$1.75

Leaded Protection Apron

Length over all 36". Weight 7½ lbs. Thickness 1/16". Protective value equivalent to approximately .5 mm. sheet lead. Straps placed so weight is evenly distributed over shoulders, relieving the neck of any part of the load.

No.		Code	Price
385	Leaded Rubber Apron	AMOTT	\$13.00



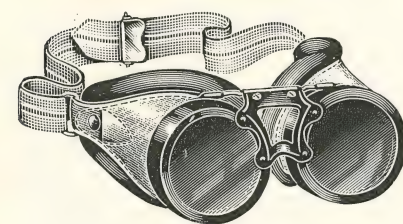


Lead Glass Fluoroscopic Goggles

These goggles are fitted with lead glass lenses only, or with lead glass and dark olive green lenses. The lens cups are constructed of hard rubber and screwed on, making it easy to remove either set of lenses if desired.

No.		Code	Price
3664	Fluoroscopic Goggles with either red or green lenses	TEMAC	\$2.50
3665	Fluoroscopic Goggles with lead glass and olive green or red lenses	TEMPO	4.00

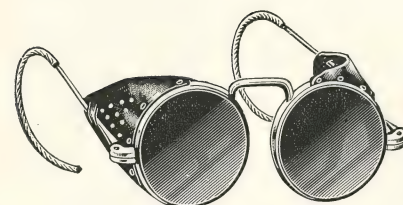
Combination Lead Glass and Fluoroscopic Goggles



These goggles are equipped with fluoroscopic lenses in a hinged frame fitting over the regular lens frame. Lead glass lenses are fitted into the regular lens frame and the fluoroscopic lenses may be turned down in front of the lead glass lenses or tipped back to permit clear vision through the lead glass.

No.		Code	Price
3666	Combination Lead Glass and Fluoroscopic Goggles	TEMUL	\$7.50

Fluoroscopic Glasses



These glasses are of semi-rigid construction with flexible ear temples and fitted with dark olive green glass lenses. Leather guards prevent light entering from the sides. Glasses of this type are a necessity where routine work is carried on to the moment fluoroscopy is to be done. No time is lost in accommodating the eyes to the darkness of the fluoroscopy room.

No.		Code	Price
3667	Fluoroscopic Glasses	TEMZA	\$1.75

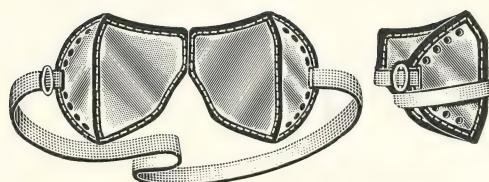


Paragon Fluoroscopic Goggles

This type of goggles are made of two layers of flexible material—one green and the other red—to fit the face like a mask. They can be worn over any type of glasses with perfect comfort.

No.		Code	Price
3668	Paragon Fluoroscopic Goggles	TERAS	\$2.50

Collapsible Fluoroscopic Goggles



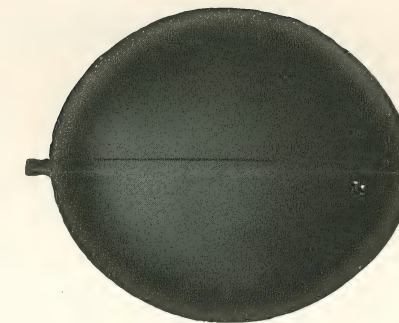
A unique and convenient pair of fluoroscopic goggles; can be folded and carried in a vest pocket when not in use. Will fit the face perfectly and can be worn over any kind of glasses with perfect comfort. They are made of red or green non-inflammable celluloid and have chenille bound edges. Ample ventilation is provided without admitting any visible light. If no color is specified, red goggles will be furnished.

No.		Code	Price
3669		THRUS	\$1.25

Compression Bladder

Made of ribless rubber, with a single seam which will not at any time offer obstruction in the active field. Compressor inflated will conform to any contour perfectly—deflated is 12" in diameter.

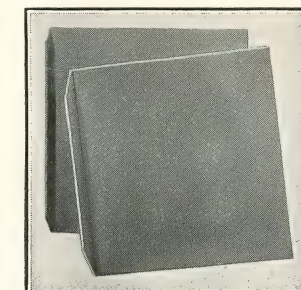
No.		Code	Price
585	Compression Bladder	RUBCO	\$2.50



Aluminum Filters

Made of pure sheet aluminum, 1 mm. thick.

No.		Code	Price
1067	Round Aluminum Filter, 2 1/8" diameter. (Fits Fischer "DENTAL-X")	ZIZUB	\$0.40
3558	Square Aluminum Filter, 4" x 4"—has narrow edge. (Fits Fischer "60-88," "SP-60" and "DS-60" Machines)	FLUKE	.75
3559	Same as No. 3558, but with wide folded edge (see cut)	FLUSH	.75



Adjustable Filter For 36" Spine Radiography

Consists of aluminum frame into which proper copper filters may be inserted. These copper filters are of different sizes and shapes and through selection or combination permit any desired amount of filtering.

No.		Code	Price
3553	Adjustable Filter for 36" Spine Radiography	FIBRA	\$10.50
3552	Spinograph Filter—not adjustable	JARIS	3.00

Lead Glass

Lead glass, for use as protection in cabinets and for shields. Extra heavy thickness, containing about 30 per cent lead.

No.		Code	Price
391	Lead Glass, size 5" x 7", 3/16" thick	GLOSS	\$ 2.80
392	Lead Glass, size 6" x 8", 3/16" thick	GLUSI	3.80
394	Lead Glass, size 8" x 10", 3/16" thick	GLYCI	6.40
395	Lead Glass, size 10" x 12", 3/16" thick	GOADY	9.60
396	Lead Glass, size 11" x 14", 3/16" thick	GOBLE	12.30
397	Lead Glass, size 12" x 16", 3/16" thick	GOXEL	15.35
398	Lead Glass, size 14" x 17", 3/16" thick	GESIX	19.00

Sheet Lead

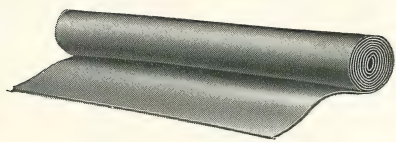
Sheet Lead, 1/16 inch thick, for mounting on walls and doors of X-ray rooms, for protection of films, etc. May be obtained in widths up to 24 inches. Exact size should be specified when ordering. For example NOT "3 sq. feet" but rather "12 in. x 26 in." or "18 in. x 18 in". A 12-inch square weighs approximately 3 lbs.

No.		Code	Price
381	Sheet Lead, per lb.	GLOMU	\$0.25

Lead Protection Foil

No.		Code	Price
380	Lead Foil, 6-inch width 2 1/2 lb. roll	GLOBE	\$1.00

Leaded Rubber Protection Sheeting



X-ray Protection Cloth, in strips 36 inches wide, any length, made of heavy lead impregnated rubber with a linen center, insuring great strength as well as absolute protection. 1 square yard averages about 14 lbs. Order by size instead of by weight. Sold any length, by 36 inch width.

No.	Code	Price
383	AMEBA	\$1.00



BUCK Barium Meal

This product is prepared with a low food value. The viscosity is sufficient to carry the barium in suspension for a reasonable length of time, and the flavor indicates a beverage rather than a food. Manufactured from the best grade of barium sulphate the market affords. Guaranteed free from coarse crystals which irritate inflamed tissue; also free from clay or toxic-causing impurities. Mixes into solution without difficulty. The flavor makes this barium meal an inviting drink, and it will not sour even if prepared several days in advance of use. Supplied in 6-pound package containing 20 individual packets for individual meals. Also packed in 10 and 25 pound tins. The contents of the small packets are carefully weighed and are ready for use by adding the correct amount of water. Not only a convenience, but insures uniform preparation at all times. It is easy to take, pleasant flavor, no after-taste.



No.	Code	Price
3210	GAMBI	\$2.00
3211	GANGY	2.85
3212	GAOLE	6.75

PARAGON Barium Sulphate

For Abdominal Work—(99.92% Pure)

Paragon Barium Sulphate is an extremely fine, non-toxic pure barium sulphate; has been used by leading Roentgenologists for years. It is very finely ground and goes into suspension readily in buttermilk, or any of the ordinary mixtures. Gives clear, dense shadows, disclosing clearly any pathological condition which may exist. Packed in sealed containers.

No.	Code	Price	No.	Code	Price
3741	TERSY	\$0.40	3744	TERNO	\$ 5.25
3742	TERER	1.50	3745	TEROX	10.00
3743	TERMI	2.50			

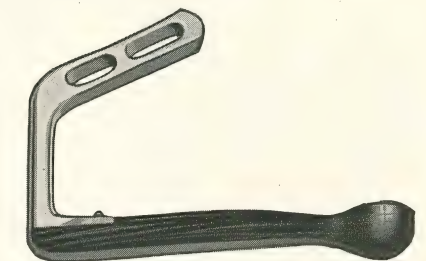
PARAGON Bari-Susp

A pleasant and palatable mixture of the famous Paragon brand Barium Sulphate and a Carbo-Hydrate, with flavoring, making an ideal visualizing preparation for abdominal radiographic work. Just add water and serve. No buttermilk or other vehicle necessary, but may be added if desired without causing precipitation. For the six hour test or fluoroscopic examination in adults, the average amount of Bari-Susp used is about 4 very heaping teaspoonfuls suspended, preferably in two glasses of water. A larger quantity of Bari-Susp and water is used for enemas.

No.	Code	Price
3746	TESSE	\$1.25
3747	TETAN	2.00
3748	TETAR	4.50

Palparium Spoon for Fluoroscopic Work

This spoon is intended for use where the operator does not choose to use the hand. The face of the spoon is covered with a circular shaped piece of lead which reflects the position of the spoon on the screen.



No.	Code	Price
3749	TETBO	\$5.50

X-ray Opaque Chemicals—Keraphen

A soluble, pleasant form of tetraiodophenolphthalein for oral administration in cholecystography. Keraphen is a peppermint flavored, bluish gray powder which gradually turns into a creamy white liquid when mixed with a quarter glass of water. It does not disturb the digestion or create the nausea that ordinarily results from plain Tetraiodophenolphthalein. When placed in an alkaline medium Keraphen readily yields sodium Tetraiodophenolphthalein in its purest form for absorption by the body. Keraphen is supplied in single dose bottles of approximately 12 grams each.



No.	Code	Price
3780	THYMI	\$7.20
3781	THYRA	9.00

Neo-Iopax

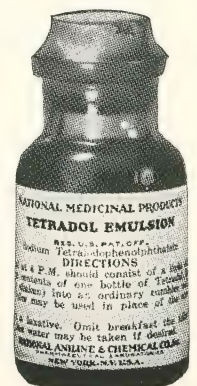
Uroselection-B for intravenous pyelography. The simplest diagnostic aid for visualization for the kidneys and ureters. Gives the sharpest radiographs with the smallest dose.

20 cc. is the adult dose. Simply warm ampule, inject, make the exposure a few minutes later, and the result should be a clear cut radiograph.

No.	Code	Price
3782	SABWU	\$3.75

Tetradol Emulsion (For Oral Administration in Cholecystography)

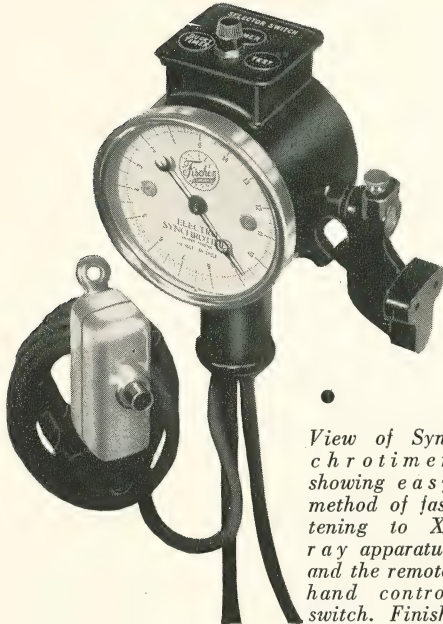
This dye is administered as a very fine, freshly precipitated colloidal suspension, which upon passing into the duodenum is readily converted into the soluble salt and easily absorbed. The method of administration is very simple and can be readily performed by the patient without fear of mistakes. Contents of one bottle of Tetradol Emulsion stirred into a glass of grape juice or water make the complete dose. Nausea or unpleasant by-effects are rare and shadows of excellent density are uniformly obtained.



No.	Code	Price
3784	TIBIL	\$0.75
3785	TIBLA	8.00

FISCHER Electro-Synchrotimer

Accurate timing of exposures is essential in making X-ray negatives. Timing is one of the four main factors to consider—it is just as important as tube-film distance, milliamperage, and kilovoltage. Without accurate timing, good negatives cannot be produced and the positive repetition of results is impossible. The two chief features of this new FISCHER Electro-Synchrotimer are (1) its unfailing accuracy and (2) the fact that it measures time in fractional seconds. Note these points of construction and operation.



View of Synchrotimer showing easy method of fastening to X-ray apparatus and the remote hand control switch. Finish is black and chromium.

FEATURES

1. The timer is driven by an electrical synchronous motor.
2. It has oil immersed reduction gearing to guarantee uniform operation and long life.
3. It will work constantly with accuracy to 1/60th second.
4. It provides a simple adjustment from the testing of the X-ray tube to the actual perfect timing of negatives both with and without Bucky.
5. The hand contact switch starts the Bucky—the Bucky in operation sets off the timing mechanism, which cuts off X-ray independent of grid movement—resulting in exposure timing with Bucky to the same accuracy of 1/60 second.
6. It is built of sufficient size and with rigid construction to give long years of service. It is not a toy but an accurate, dependable, durable timer. Diameter of dial, approximately 4 inches.
7. The hand type push button switch has handy long flexible cord, providing remote control.

No.		Code	Price
3670	1/10 to 15 seconds, 110 volts, 60 cycles, less bracket.....	HEINE	\$75.00
3676	1/4 to 30 seconds, 110 volts, 60 cycles, less bracket.....	HEYNS	75.00
3679	1/2 to 60 seconds, 110 volts, 60 cycles, less bracket.....	HIDRO	75.00
3685	1/10 to 15 seconds, 110 volts, 50 cycles, less bracket.....	HIDOP	75.00
3694	1/2 to 60 seconds, 110 volts, 50 cycles, less bracket.....	SACMM	75.00
3674	1/10 to 15 seconds, 110 volts, 60 cycles, with bracket.....	HEXIT	75.00
3678	1/4 to 30 seconds, 110 volts, 60 cycles, with bracket.....	HICKY	75.00
3681	1/2 to 60 seconds, 110 volts, 60 cycles, with bracket.....	HILUS	75.00
3687	1/10 to 15 seconds, 110 volts, 50 cycles, with bracket.....	HIRSU	75.00
3688	1/2 to 60 seconds, 110 volts, 50 cycles, with bracket.....	JATRO	75.00

All timers above are arranged to fit the control boxes on the FISCHER "DSP-20", "60-88", "DS-60" and "SP-60" Shockproof X-ray Units.

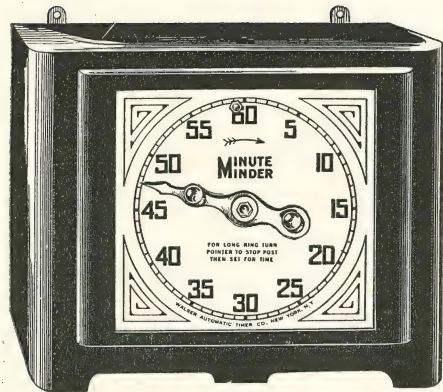
The following FISCHER Electro-Synchrotimers are for use with outfits not of FISCHER manufacture. The order must clearly state outfit with which timer is to be used.

No.		Code	Price
3689	1/10 to 15 seconds, 110 volts, 60 cycles.....	SACHH	\$95.00
3690	1/4 to 30 seconds, 110 volts, 60 cycles.....	SACH	95.00
3691	1/2 to 60 seconds, 110 volts, 60 cycles.....	SACJJ	95.00
3692	1/10 to 15 seconds, 110 volts, 50 cycles.....	SACKK	95.00
3693	1/2 to 60 seconds, 110 volts, 50 cycles.....	SACLL	95.00

When ordering timers for "Dental-X", Shockproof "Dental-X", specify type of machine, cycles and serial number of machine.

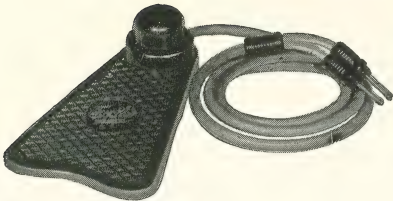
Minuteminder

Available with 60 minute or 15 minute dial. Winds itself when you set the pointer. No chance of error. Only one manual operation is required—the simple turning of the dial pointer to the time period desired. Can be had with adjustable stop-post for use in dark-room or where repeat timing operations are necessary. Suitable for wall or table use. Black case. Nickered indicator. Size 4½" x 5½" x 2½".



No.		Code	Price
3606	"Minuteminder" with 15 minute range.....	GAFFY	\$4.00
3607	"Minuteminder" with 60 minute range.....	GABBE	4.00
3608	"Minuteminder" with 15 minute range and adjustable stop-post	GALXY	5.00
3609	"Minuteminder" with 60 minute range and adjustable stop-post	GAYAX	5.00

FISCHER Fluoroscopic Foot Switch



As illustrated, this Foot Switch lies close on the floor. A touch of the toe makes and breaks the contact. It is molded of bakelite with sufficient insulation to make it shock proof. It is easily moved about, yet keeps an upright position on the floor. The cable is flexible and covered with pure gum rubber; it may be washed and kept as new always. Cable terminals will be furnished to fit any style apparatus; specify machine used, when ordering.

No.		Code	Price
1206	Extra rubber covered cable, per foot.....	TIBER	\$0.15
1497A	Foot Switch with 3-prong plug on end of cable to fit all latest model FISCHER X-ray Units.....	SABXW	7.50

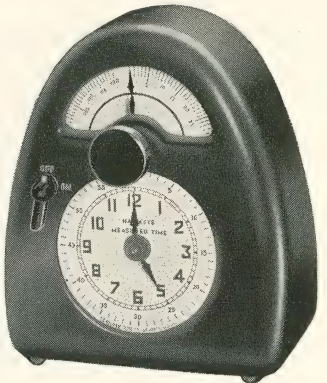
FISCHER Remote Control X-ray Switch

A simple hand switch, of the "push button" type, mounted in a very neat octagon shaped moulded Bakelite handle with 6-ft. cable for use wherever remote hand control is desired in connection with X-ray apparatus.

No.		Code	Price
3996	FISCHER Hand Switch.....	SACBB	\$7.50

The HAWKEYE Timer

Registers the length of any treatment exactly. A wonderful aid to accurate timing, particularly valuable when the physician is treating more than one patient at a time. The Hawkeye rings an alarm at the exact moment treatment should end. Frame is of Bakelite. Furnished with black or ivory finish.



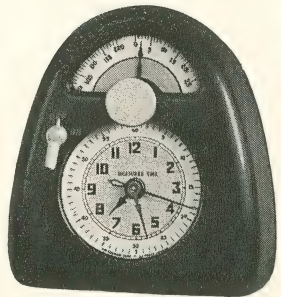
No.		Code	Price
3917	Hawkeye Timer	DABAB	\$5.00

HAWKEYE "Measured Time" Electric Timer

Accurately times periods from one second to two hours. On a predetermined minute, gives clear-toned signal, loud or soft, long or short. Conveniently set from the front. A credit to the most attractively appointed laboratory, workroom or office. In rich black or ivory. Alternating current only. Standard 110 volt, 60 cycle.

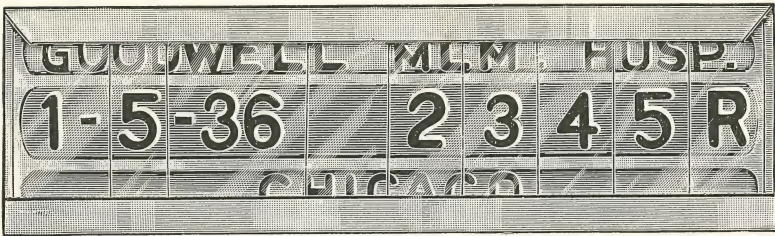
Other cycles special.

No.		Code	Price
2050	"Measured Time" Electric Timer.....	RIZLO	\$9.50



X-RAY FILM MARKERS

(Film markers with names cut not returnable for credit)



HY-VOLT Film Marker

Cut shows full size. Figures and letters are 1/4" size, securely cemented to celluloid strips 1 1/8"x3/8", which permits easy handling. Aluminum holder. Metal insert of your name and address. Ideal for hospitals or laboratories desiring doctor's or patient's name on film. As space is limited, right reserved to abbreviate name or address.

No.		Code	Price
3516	Hy-Volt Holder and Insert with name and address, 4 sets figures, 1 each, R-L and 1-18 compartment Improved Letter Case	SABHG	\$5.50
3517	Set of Months and Dates, figures only (i.e. 2-15-36)	SABGH	1.75
3518	Extra Lettered Insert	SACAA	1.50

PERFECTION X-ray Film Marker



A light weight aluminum film marker. Your name and address cut from sheet lead or raised letters, and mounted on upper and lower edges. Numbers and letters are securely fastened on celluloid strips, which may be replaced from either end.

No.		Code	Price
3468	Perfection X-ray Film Marker, with 4 sets of 1/4 inch figures and one each R and L, in wood case	GYROS	\$5.00
3466	Set of Months and Dates	GYMMA	4.50
3469	Perfection Marker only (lettered)	UBERO	2.25



CLEAR-VIEW X-ray Film Marker

Aluminum sheet construction, with solid lead letters 3/16 inch high on top and bottom edges. Solid lead figures 5/16 inch high, mounted on celluloid strips, are placed in slot as desired.

No.		Code	Price
3470	Clear-View X-ray Film Marker, with 4 sets figures, and wood box	UFFEL	\$5.00
3471	Clear-View Marker only (lettered)	UKAMB	2.25



LEGAL X-ray Film Marker

The Legal Marker is made for X-ray Laboratories making a specialty of furnishing radiographs for legal practice. This marker has two containers firmly fastened on sheet aluminum.

No.		Code	Price
3472	Legal X-ray Film Marker, complete with 4 sets of 3/16 inch figures, 1 set of letters, and wood case	ULCUS	\$6.00
3473	Set of Months and Dates	TOTAT	4.50

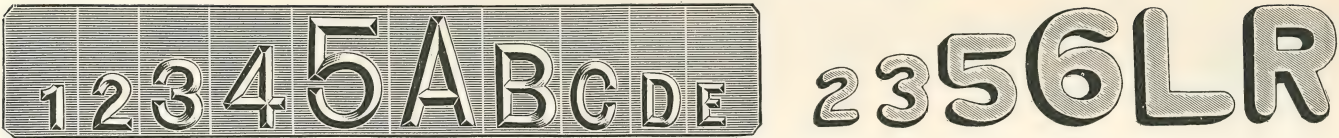
X-ray Cassette Marker

This marker is cut from sheet lead, mounted on aluminum, and is placed within the cassette. Cut with your name and address.

No.		Code	Price
3490	X-ray Cassette Marker	UNNAS	\$1.50



Lead Letters and Figures



Solid Lead Letters and Figures for mounting on adhesive tape. May be obtained in complete set of numerals or alphabet, or any amount or combination desired. Triangular or flat face letters as desired.

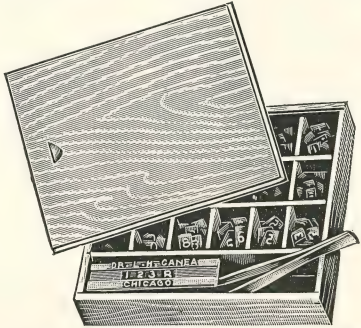
No.		Code	Price	No.		Code	Price
3475	Lead Letters, 3/16 inch high	ULECT	\$0.05	3480	Lead Numerals, 3/16 inch high	UMBON	\$0.05
3476	Lead Letters, 1/4 inch high	ULEXI	.05	3481	Lead Numerals, 1/4 inch high	UNCIA	.05
3477	Lead Letters, 5/16 inch high	ULOCA	.05	3482	Lead Numerals, 5/16 inch high	UNCOM	.05
3478	Lead Letters, 3/8 inch high	ULOID	.05	3483	Lead Numerals, 3/8 inch high	UNGUA	.05
3479	Lead Letters, 1/2 inch high	ULTEX	.05	3484	Lead Numerals, 1/2 inch high	UNIFO	.05

(If flat face letters are desired, as illustrated in smaller illustration, simply add letter "A" to catalog numbers when ordering, as 3475A. Unmounted letters or numerals, 3c each.)

Lead Letter and Figure Case

A necessity for filing lead letters and figures. Has 18 compartments. Made of white wood.

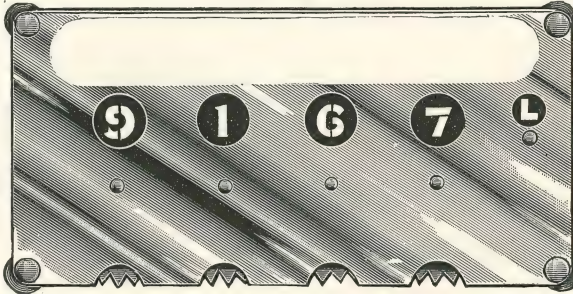
No.		Code	Price
3487	18-Compartment Case	UNRES	\$1.50



X-ray Film Stencil

Any name not having more than two lines of more than 20 letters, may be cut in the top section. The four wheels may be manipulated to show any number up to 9999. A fifth wheel is provided with letters "R" and "L" so that the right and left may be plainly marked. Advise, when ordering, the exact lettering to be cut in top section.

No.		Code	Price
570	Film Stencil	FAMES	\$5.50

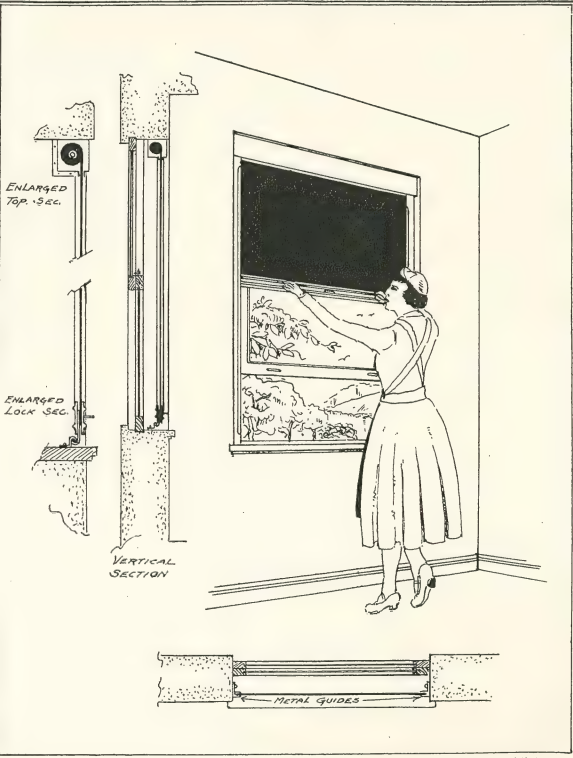


The ST. CLAIR Light-Proof Shade

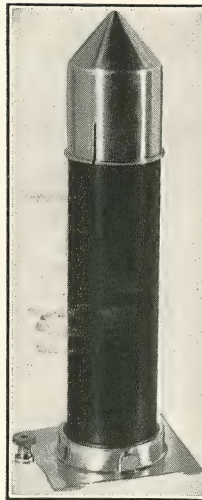
Solves the problem of attaining absolute darkness in X-ray and photographic departments. Material used is flexible, permitting shade to be raised or lowered easily. No danger of warping, cracking or fraying. Will not rattle. Shade glides snugly between narrow metal guides placed at the sides of the window frame. A patented locking arrangement at bottom, running whole width of window sill, holds shade down securely, prevents mishaps, and seals out even the faintest streaks of light. Necessary to give dimensions of window.

Write us for circular and details.

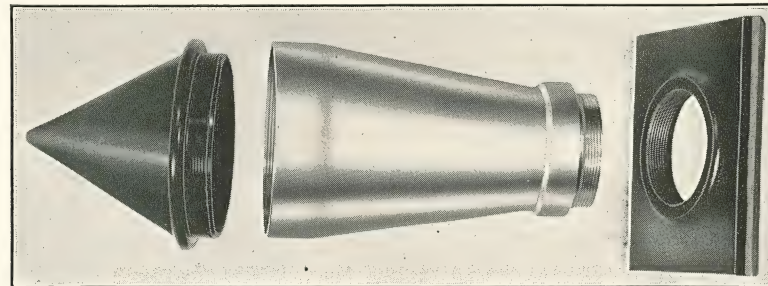
No.		Code	Price
3494	The ST. CLAIR Light-Proof Shade	UROBI	Depends on Size



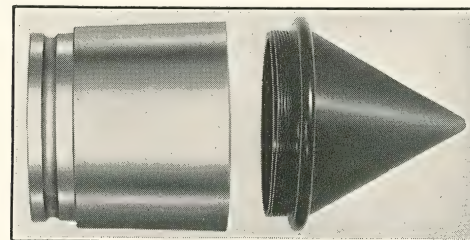
Dental Cones



No.		Code	Price
2413	Black fibre tube, diameter 2¼ inches, length 9½ inches, with metal end ring to fit No. 3586A adapter.....	ZIFFO	\$3.50
2244	Pointed aluminum cone to fit fibre tube No. 2413.....	ZIHFE	1.50
3586A	Metal adapter for fibre tube No. 2413 to hold tube to "60-88", "SP-60" and "DS-60" models.....	FILUM	3.00
3585	Dental cone complete for "60-88", "SP-60" and "DS-60" models—including Nos. 2413, 2244, 3586A.....	FILOP	8.00



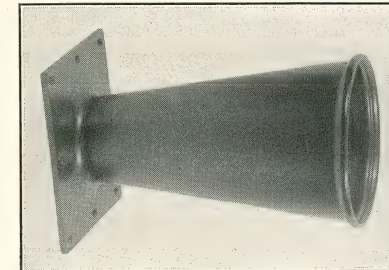
3922 3920 3926



3921 3922

No.		Code	Price
3920	Aluminum Adapter for Bakelite Cone for No. 3922 for Shockproof "DENTAL-X" and "DSP-20".....	YABAA	\$2.75
3922	Bakelite cone only for Aluminum Adapter No. 3920 for Shockproof "DENTAL-X" and "DSP-20".....	YABDO	1.25
3924	Complete cone for Shockproof "DENTAL-X" including Aluminum Adapter No. 3920 and Bakelite Cone No. 3922.....	YABOD	4.00
3926	Iron base only to adapt Aluminum Cone Adapter No. 3920 to "DSP-20".....	YABRY	3.00
3928	Complete Dental Cone assembly for "DSP-20" including Aluminum Adapter No. 3920, Bakelite Cone No. 3922 and Iron Base No. 3926.....	YACCY	7.00 7.00
3589	Bakelite Cone No. 3922 fitted with special Adapter to fit "DENTAL-X" (regular).....	FIDAX	4.00
3921	Aluminum Adapter for Bakelite Cone No. 3922 for "DENTAL-X" (regular).....	YABCC	2.75

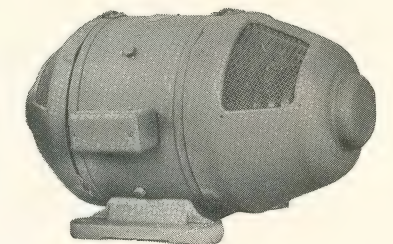
Lead Lined Compression Cones for FISCHER Shockproof X-ray Apparatus



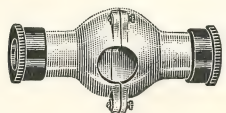
No.		Code	Price
3638	Lead Lined Compression Cone—5 inches long—sized in diameter that an 8 inch circle is exposed on the X-ray film at a 25 inch target-film distance. For Fischer "DSP-20" model only.....	HISOS	\$5.00
2417	Lead Lined Compression Cone—5½ inches long—sized in diameter that a 9 inch circle is exposed on the X-ray film at a 25 inch target-film distance. For Fischer "60-88", "SP-60" and "DS-60" shockproof models only.....	GARAM	5.00
2416	Lead Lined Compression Cone—5½ inches long, 6½ inches in diameter—for exposing a 13 inch circle on X-ray film at 25 inch target-film distance. For Fischer "60-88", "SP-60" and "DS-60" shockproof models only.....	ZEVUR	5.00
2411A	Adapter for holding cones Nos. 2416 and 2417 in position on "60-88", "SP-60" and "DS-60" shockproof models.....	TACTI	3.00

Rotary Converters

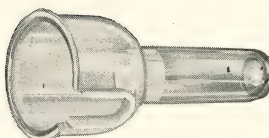
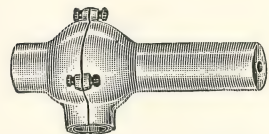
When direct current only is available it is necessary to install a rotary converter to operate an X-ray Outfit using a self-rectifying type of Hot Cathode X-ray tube. Our rotary converters are so wound that the full 110 volts at 60 cycles is delivered to the X-ray machine.



No.		Code	Price
948	5000 Watt capacity—operating on 220 volt direct current and delivering 150 volt, 60 cycle alternating current, including enclosed type starting box.....	ZEFZO	\$350.00
949	5000 Watt capacity—operating on 220 volt direct current and delivering 220 volt, 60 cycle alternating current, including enclosed type starting box.....	ROTDE	350.00
958	5000 Watt capacity—operating on 220 volt direct current and delivering 110 volt, 60 cycle alternating current, including enclosed type starting box.....	ENCAB	350.00
962	5000 Watt capacity—operating on 110 volt direct current and delivering 220 volt alternating current, including enclosed type starting box.....	GAREL	350.00
977	1500 Watt capacity—operating on 110 volts D. C., and delivering 110 volts, 60 cycles A. C., including enclosed type starting box.....	MUTCH	175.00
978	1500 Watt capacity—operating on 220 volts D. C., and delivering 110 volts, 60 cycles A. C., including enclosed type starting box.....	MYOMO	175.00
3519	7500 Watt capacity—operating on 220 volts D. C., and delivering 145 volts, 60 cycles A. C., including enclosed type starting box.....	FLAGE	490.00
3520	7500 Watt capacity—operating on 220 volts D. C., and delivering 220 volts, 60 cycles A. C., including enclosed type starting box.....	FLYRS	490.00

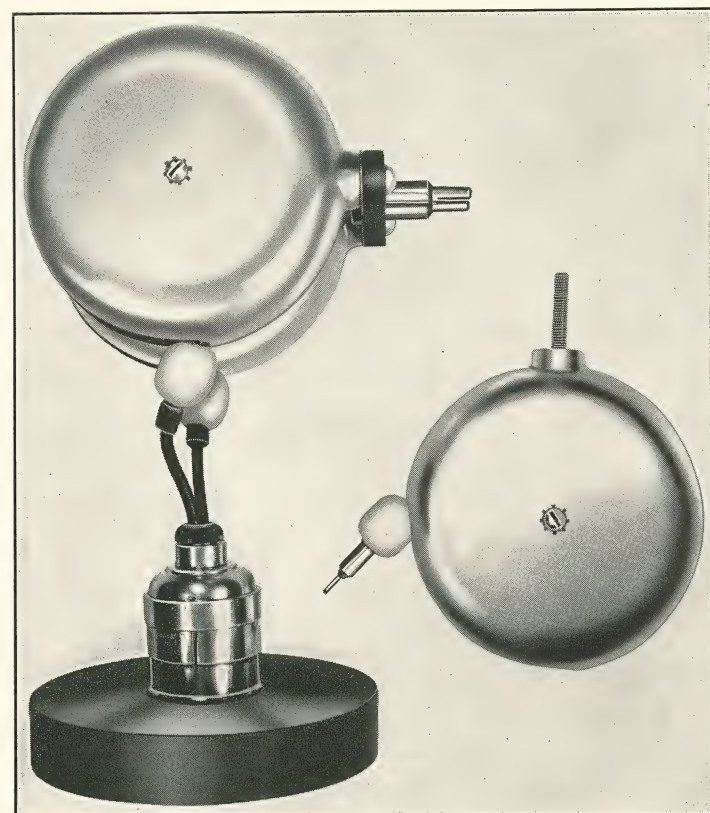
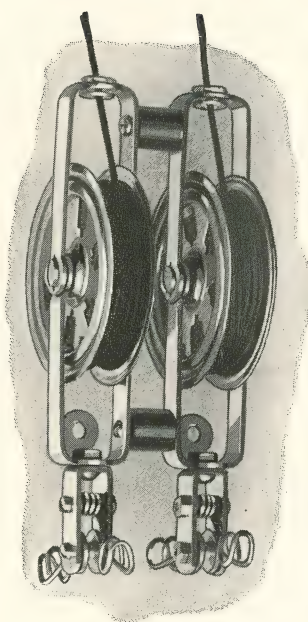


Leaded Glass Shields for Hot Cathode Tubes



No.		Code	Price
1013	Leaded Glass Shield or Cover for the Radiator Type Hot Cathode Tube—either the 10 or 30 M. A.....	GADDO	\$35.00
2467	Black Leaded Glass Shield for Radiator Type Hot Cathode Tube.....	ZIJFA	36.00
1014	Leaded Glass Shield for the Right Angle Dental Hot Cathode Tube....	GORGE	35.00
1016	Leaded Glass Shield, in one piece, for covering the right angle Dental Hot Cathode X-Ray Tube. As furnished on the Fischer "Dental-X".....	GODEN	25.00

FISCHER Automatic Cord Reels



No.		Code	Price
530	Single Fischer Reels, with green silk covered wire, arranged with trolley wheel for overhead wiring.....	HEMOI	\$3.30
531	Double Fischer Reels, covered as No. 530, with trolley wheels, with bare end cords, each set.....	HEMPO	7.50
532	Single Fischer Reel, with silk covered wire.....	HOIST	2.75
527	Single Cord Reel with uncovered woven copper wire as used on the Fischer "DentalX".....	HEDEN	2.75
524	Cord Reel Cord—silk covered, per ft.	ZIRNA	.04
526	Cord Reel Cord—bare copper, per ft.	PIPIT	.10

Enclosed Cord Reels for FISCHER Shockproof Fluoroscope—Wall Model (No. 3860).

Gray, Black and All Celluloid Dental Film Mounts

Cardboard mounts will be furnished in gray with frosted celluloid windows unless otherwise specified, made with either frosted or clear celluloid windows. Special sizes and styles made to order. Send diagram. All mounts made with round cornered windows. All prices shown are for mounts NOT IMPRINTED with name or address. These carry the ordinary stock form printing only. All full mouth mounts have areas marked. For imprinting of name, address, telephone number, etc., add \$1.00 to total of order. All full mouth cardboard mounts may be had with cover and celluloid mounts with black borders around windows at 10% additional charge.

501	1 H	502	2 H	503	3 H	504	4 H
501 V	1 V	502 V	2 V	503 V	3 V	504 V	4 V
505	60	505	9	514	914		
508	80	5100	11	528	1128		
532	932	529	20	524	924		
564	1164	538	2111	5048	112		
534	70			552	71		
5068	314			5104	3104		

Numbers to the left indicate all celluloid mounts

Numbers to the right indicate gray or black cardboard mounts with celluloid backs

H G FISCHER AND CO. CHICAGO

Gray or Black Cardboard Dental Film Mounts with Celluloid Backing

No.	No. of Windows	Position of Films	25	50	100
1H	1	Horizontal Window	\$0.60	\$1.10	\$2.00
1V	1	Vertical Window	.60	1.10	2.00
2H	2	Horizontal Windows	.80	1.40	2.50
2V	2	Vertical Windows	.80	1.40	2.50
3H	3	Horizontal Windows	.90	1.60	3.00
3V	3	Vertical Windows	.90	1.60	3.00
4H	4	Horizontal Windows	1.10	2.10	4.00
9	5	Horizontal Windows	1.20	2.30	4.40
914	5	1 Ver., 4 Hor.	1.20	2.30	4.30
932	5	3 Ver., 2 Hor.	1.10	2.10	4.00
60	6	Horizontal Windows	1.30	2.40	4.50
924	6	2 Ver., 4 Hor.	1.30	2.50	4.70
70	7	3 Ver., 4 Hor.	1.50	3.00	5.50
80	8	Horizontal Windows	1.60	3.10	6.00
11	10	Horizontal Windows	2.00	3.90	7.50
1128	10	2 Ver., 8 Hor.	2.00	3.90	7.50
1164	10	6 Ver., 4 Hor.	2.00	3.90	7.50
20	11	2 Ver., 9 Hor.	2.10	4.10	8.00
2111	11	3 Ver., 8 Hor.	2.20	4.40	8.50
112	12	4 Ver., 8 Hor.	2.40	4.60	9.00
314	14	6 Ver., 8 Hor. (1 ver. fold)	2.60	5.10	10.00
3104	14	10 Ver., 4 Hor.	2.60	5.10	10.00
714	14	Arrangement Optional (8 x 9 in.)	3.10	6.10	12.00
314-22	16	This mount is 8 in. wide, folds in center and has 7 windows in upper half and 7 in lower half. 6 V. 10 H. No. 2 Films	3.10	6.10	12.00

All Celluloid Dental Film Mounts

No.	No. of Windows	Position of Films	25	50	100
501	1	Horizontal Window	\$0.70	\$1.20	\$2.20
501V	1	Vertical Window	.70	1.20	2.20
502	2	Horizontal Windows	.80	1.40	2.60
502V	2	Vertical Windows	.80	1.40	2.60
503	3	Horizontal Windows	1.00	1.90	3.50
503V	3	Vertical Windows	.90	1.60	3.00
504	4	Horizontal Windows	1.20	2.20	4.20
505	5	Horizontal Windows	1.40	2.60	5.00
514	5	1 Ver., 4 Hor.	1.40	2.60	5.00
532	5	3 Ver., 2 Hor.	1.40	2.60	5.00
506	6	Horizontal Windows	1.50	3.10	6.00
524	6	2 Ver., 4 Hor.	1.50	3.10	6.00
534	7	3 Ver., 4 Hor.	1.90	3.60	7.00
508	8	Horizontal Windows	2.00	3.90	7.50
5100	10	Horizontal Windows	2.10	4.10	8.00
528	10	2 Ver., 8 Hor.	2.10	4.10	8.00
564	10	6 Ver., 4 Hor.	2.10	4.10	8.00
529	11	2 Ver., 9 Hor.	2.40	4.60	9.00
538	11	3 Ver., 8 Hor.	2.40	4.60	9.00
5048	12	4 Ver., 8 Hor.	2.40	4.60	9.00
5068	14	6 Ver., 8 Hor.	2.60	5.10	10.00
5104	14	10 Ver., 4 Hor.	2.90	5.60	11.00
5068-22	16	6 V. 10 H. No. 2 Films	3.30	6.40	12.50

Sold only in quantities of 25 or over

X-RAY BOOKS

No.		Code	Price
2303	An X-Ray Atlas of the Normal and Abnormal Structures of the Body. 2nd Edition. Archibald M'Kendrick and Charles R. Whittaker. 256 pages	VAXIX	\$10.00
3407	Applied X-Rays. 2nd Edition. Clark	GASGA	5.00
3429	The Chest in Children. 432 pages. E. Gordon Stolloff	GIRTH	15.00
3430	The Chest Roentgenologically Considered. 561 pages. Sante	GLABE	20.00
3408	Clinical Roentgen Pathology of Thoracic Lesions. W. H. Meyer	CASSE	6.00
3426	Gynecological Roentgenology, 571 pages. Julius Jarcho	GIMBE	20.00
3409	Injuries and Diseases of Bones and Joints. Baetjer and Waters	GAULT	10.00
3410	Intracranial Tumors Roentgenologically Considered. 225 pages. Loyal Davis	GAVAG	10.00
3411	Lobar Pneumonia. LeRoy Sante	GAYAT	3.00
3432	Mastoids Roentgenologically Considered. Second Edition. 194 pages. Frederick M. Law	GLIOS	12.00
2314	Modern X-ray Technic. 260 pages. Ed. C. Jerman	VOXOY	5.50
3412	Modern X-ray Technic. Spanish Edition. Ed. C. Jerman	GEISS	6.00
3431	Nasal Accessory Sinuses Roentgenologically Considered. 239 pages. Frederick M. Law	GLAND	10.00
3413	Peptic Ulcer (Clinical Roentgenology). Buckstein	GELAT	12.00
3414	Physics of Radiology. J. L. Weatherwax	GELYS	5.00
3415	Pneumoconiosis (Silicosis). Pancoast and Pendergrass	GEMIN	4.00
3416	Radiologic Maxims. Swanberg	GEMMA	1.50
3417	Radiological Study of Para-Nasal Sinuses and Mastoids. Granger	GENAL	5.50
2317	Radiography of the Chest (Vol. II Non-Tuberculous Affections). 196 pages. Walker Overend	VUMON	7.00
3418	Recent Advances in Radiology. Peter Kerley	GENGO	3.50
2318	Roentgen Interpretation. 4th edition. 339 pages. George W. Holmes and Howard E. Ruggles	VIMOX	5.00
3419	Roentgenographic Technique. D. A. Rhinehart	GEODE	5.50
3420	Roentgenology. Alban Kohler	GEOFO	14.00
2319	Roentgenology—Its Early History—Some Basic Physical Principles and the Protective Measures. 157 pages. Kaye	VIJUM	2.00
1707	Roentgenotherapy. Albert Franklin Tyler	INDUS	2.75
2321	Teeth and Jaws Roentgenologically Considered. Herman A. Osgood	JAHXA	10.00
3421	The Duodenum. Edward L. Kellogg	GERAN	10.00
3422	The Pelvis in Obstetrics. Julius Jarcho	GERMI	6.00
3428	Radiology in Relation to Medical Jurisprudence. (Employers' Liability and Workmen's Compensation Acts.) 65 pages S. Gilbert Scott	GIRAL	3.00
3425	The Science of Radiology. 1933. Otto Glasser	GIGLI	4.50
3427	Urological Roentgenology. 2nd edition. 564 pages. Hugh H. Young and Charles A. Waters	GINSE	20.00
2325	The Vertebrae Roentgenologically Considered. 256 pages. Arial Wellington George and Ralph Davis Leonard	JEXIX	10.00
3423	1932 Year Book of Radiology	GERRY	6.00
3424	The 1933 Year Book of Radiology	GERLA	7.00
1710	U. S. Army X-Ray Manual. Prepared under the direction of the Division of Roentgenology and authorized by the Surgeon-General of the Army	INFEC	5.00
2329	X-Ray Diagnosis. 228 pages. J. Magnus Redding	JIGBX	7.00
3434	X-Rays and Radium in the Treatment of Diseases of the Skin. 2nd Edition. George M. MacKee. 788 pages	USNEA	10.00
3435	X-Ray Studies of Advanced Radiographic Technic—Jerman	HOANG	2.00
3436	Oral Radiography, Simpson	TIBOX	5.00
2773	Bertwistle—"A Descriptive Atlas of Radiographs". 1932 edition	DAFHH	13.50
2770	Brailsford—"Radiology of Bones and Joints". 1935 edition	DAFED	9.00
2769	Harrison—"Roentgenology". 1936 edition	DAFOC	10.00
2777	Rheinhart—"Roentgenographic Technic"	DAGWZ	5.50
2768	Daviess—"Practical X-Ray Therapy". 1934 edition	DAFCY	3.50
2726	Holliday—"Dental Radiology Handbook". 1935 edition	DAFBA	2.00
2766	Sante—"Manual of Radiological Technique". 1935 edition	DAFAB	4.50
2765	Roberts—"X-Ray Therapy". 1936 edition	DADCE	4.20
3406	A Descriptive Atlas of Radiographs. 3rd edition. Bertwistle	CARRO	13.50

WHEN ORDERING REMEMBER...

It is better to use a separate sheet on which to write your order, and write on *one* side only. This hastens the correct filling of your order. Always give catalog numbers and write plainly, or when ordering by telegraph us *Code* words as they designate to us exactly what is desired, and save you expense in sending the message.

Articles of light weight will be sent by Parcel Post wherever possible, to expedite delivery.

Damage to Goods in Transit Our responsibility ceases when goods are receipted for by the express or freight agent, and we cannot be held responsible for breakage during transit. If claim is to be filed for damaged goods, notify us immediately that proper claim may be entered.

Further, your local carrier's agent should at once be notified and have the damaged goods inspected. Neglect in complying with this rule places the responsibility entirely with the consignee in case claim is refused.

Return of goods by parcel post should always be insured so the shipper is protected in case parcels are lost.

Guarantee Any defects in our apparatus that may develop within six (6) months from date of shipment under normal and proper use, due to faulty material, imperfect insulation, or ineffective workmanship, will be repaired or replaced at our expense, provided such apparatus is delivered *pre-paid* to our factory.

For repairs or replacements during the next twelve (12) months, we will charge only actual cost to cover, and after this period our service and our attention are to be called on when required, with the understanding that charges for overhauling "FISCHER" apparatus will always remain as near actual cost as possible.

We will not assume any liability for work done by others, without our consent in writing, nor for defects from improper storage.

We will not assume any liability for breakage of glassware, nor for deterioration of rubber goods,

X-ray films or any perishable goods. We can but use the best materials obtainable.

Return of Merchandise Credit for return of goods ordered in error or on account of dissatisfaction on receipt has become a serious factor of expense, and is a problem difficult of solution. In justice to our customers, and to ourselves, we have adopted the following rules, governing such returns:

No merchandise will be returnable for credit after having been in customer's possession fifteen (15) days or more.

No merchandise will be returnable for credit except upon written request of purchaser, and then only with our consent.

All merchandise must be returned *prepaid*.

No merchandise will be accepted unless returned in saleable condition.

All merchandise returned, whether for repairs or for credit, must be carefully packed, and all goods over a \$2.00 valuation should be insured.

And last, but very important, *never* fail to place *your name and address in and on* the box or parcel when shipping to us.

Prices All prices are figured F. O. B. Chicago. The prices quoted in this catalog on all our goods are as low as it is possible to make them and still be consistent with the quality of the materials and high grade of workmanship used in their construction.

All orders for \$1.00 or under should be accompanied with stamps, money order or check.

Our prices are subject to change without notice.

New Accounts We earnestly solicit new customers, but purchasers will appreciate the necessity of supplying satisfactory references. The name of the bank carrying your account, or some Chicago firm with which you have transacted recent business, is usually sufficient.

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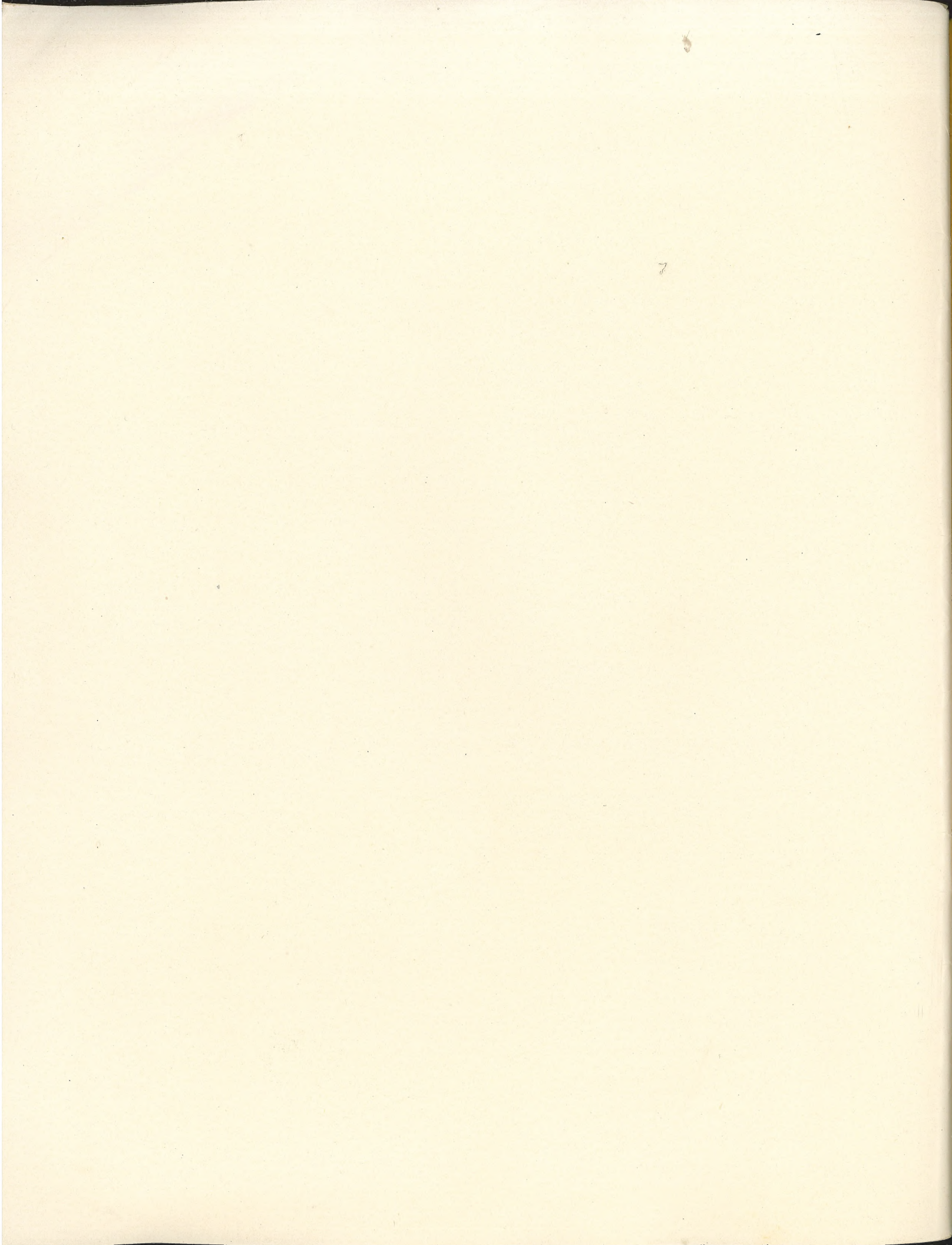
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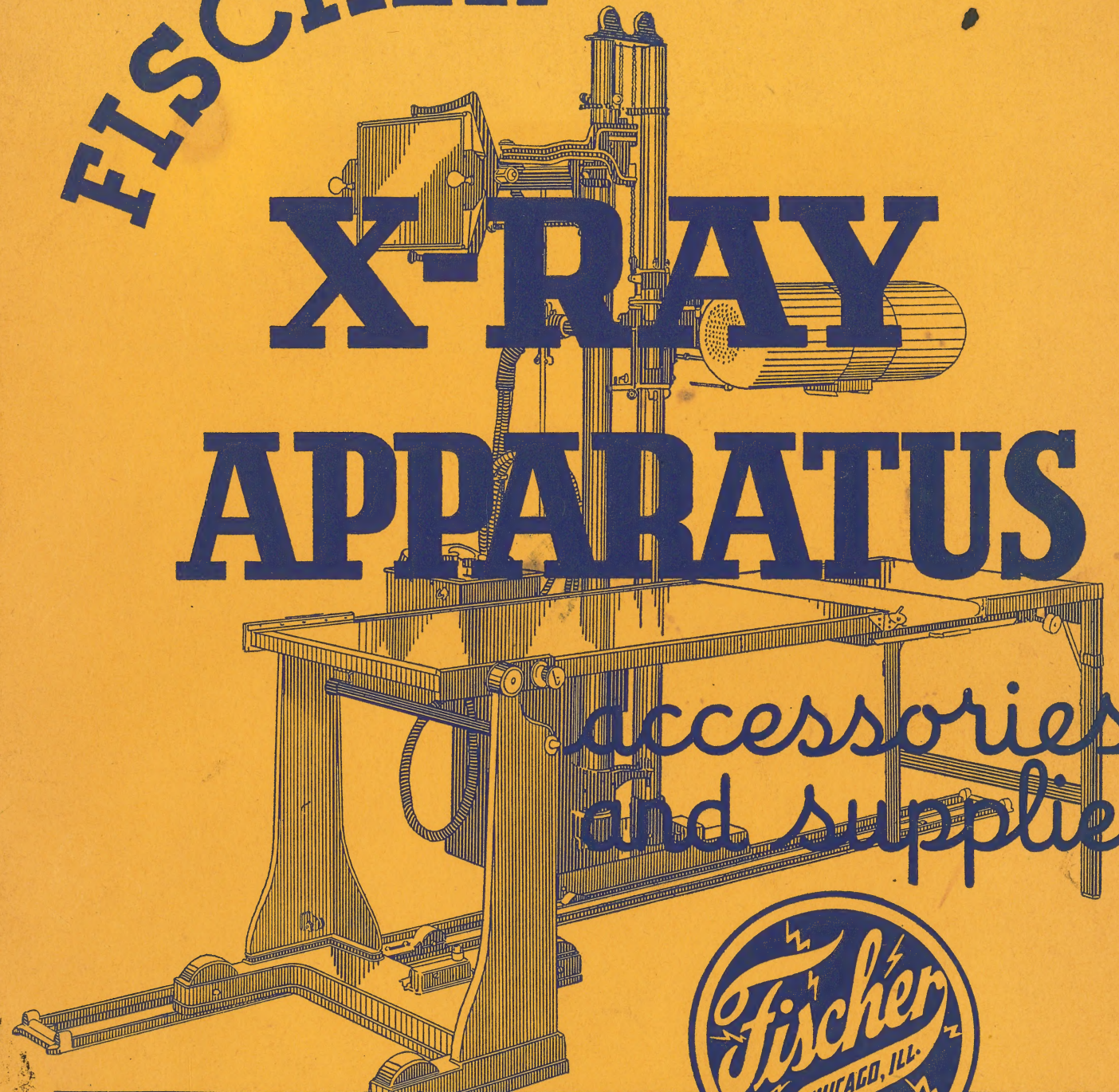
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