

CATALOG
of
X-RAY ACCESSORIES
AND
SUPPLIES



THE ENGELN ELECTRIC COMPANY

HOME OFFICE AND FACTORY

4601-11 Euclid Avenue

Cleveland, Ohio

BRANCHES

New York City
127 East 23rd St.

Philadelphia
20 So. 20th Street

Pittsburgh
617 Fulton Bldg.

Cincinnati

Chicago
30 E. Randolph St.

Detroit
845 D. Whitney Bldg.

Portland, Ore.
319 Morgan Bldg.

Toronto
203 Hobblerlin Bldg.

Los Angeles

Foreword

We take great pleasure in submitting our new X-Ray Accessory Catalog for your convenience. All X-Ray Accessories are listed for your immediate reference.

We are also Manufacturers and Dealers in all kinds and capacities of X-Ray Transformers and specialize in complete laboratory installations. Our staff of Engineers are at your service and will gladly assist you with your X-Ray problems.

Special Information

When sales are made on open accounts they are subject to a discount of 2% ten days or 30 days net.

With the exception of X-Ray plates and where otherwise specified, we allow a discount of 5% when remittance accompanies your order.

Prices of these X-Ray Accessories and Supplies are generally stable, but are subject to change without notice.

Customers unknown to us should authorize C. O. D. shipment or give satisfactory reference with initial order.

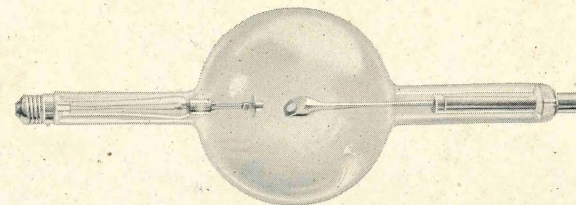
No charge is made for packing. All shipments are carefully packed and shipped F. O. B. factory. No allowance will be made by us for loss or breakage in transit, and customers are requested to make prompt claim on carrier for damage.

All apparatus in our stock carries exceptionally liberal guarantee against mechanical defect.

The Engeln Electric Company

X-Ray Tubes

Universal Type Coolidge X-Ray Tube



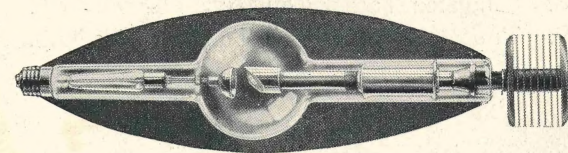
This tube is supplied with fine, medium or broad focus. The fine focus tube should never carry over 25 milliamperes and should be used for fluoroscopy and radiographic work where fine detail is desired and heavy currents not required.

The medium focus tube should never carry more than 45 milliamperes and is suitable for most radiographic, fluoroscopic and light therapeutic work.

The broad focus tube should never carry more than 75 milliamperes and is intended for deep therapy and radiography of the gastro-intestinal tract.

- Cat. No. 500. Universal Type Coolidge Tube—Fine focus.
- Cat. No. 501. Universal Type Coolidge Tube—Medium focus.
- Cat. No. 502. Universal Type Coolidge Tube—Broad focus.

Radiator Type Coolidge X-Ray Tube (Self Rectifying)



The Radiator tube is intended solely for diagnostic purposes and should be used for fluoroscopy and radiography only. It should never be used for therapy.

The Radiator type tube is furnished in two capacities or energy input ratings: capacity 10 milliamperes 5" back-up, and 30 milliamperes 5-inch back-up. The 10 M. A. tube is of sufficient capacity for fluoroscopic examinations of any part of the body and for all radiographic work excepting gastro-intestinal where the 30 M. A. tube should be used.

- Cat. No. 503. Radiator Type Coolidge Tube—10 M. A. Capacity.
- Cat. No. 504. Radiator Type Coolidge Tube—30 M. A. Capacity.

Catalog No.	Page No.	Price
1652	51	1.00
1653	51	1.50
1654	51	1.80
1655	51	3.00
1657	49	Per Doz. 1.70
1658	49	" 2.55
1659	49	" 3.60
1660	49	" 6.20
1661	49	" 8.70
1662	49	14.50
1663	49	1.40
1665	56	.70
1666	56	1.15
1667	56	2.45
1668	58	Per M. 8.50
1669	58	Per M. 15.00
1676	53	.20
1678	50	.20
1679	50	.30
1680	50	.35
1681	50	.40
1682	50	.50
1683	50	.60
1685	49	1.45
1686	49	2.30
1687	49	3.30
1688	49	5.20
1689	49	6.60
1690	49	10.00
1694	39	65.00
1695	40	52.50
1696	41	25.00
1697	47	1.50
1698	39	7.00
1699	39	9.00
1700	39	12.00
1701	39	14.00
1702	108	4.00
1703	108	2.25
1704	108	2.00
1705	108	2.50
1706	108	2.75
1707	108	2.75
1708	108	4.00
1709	108	2.75
1710	108	5.00
1711	25	1.00
1712	25	1.50
1713	25	.60
1714	43	2.00
1715	43	.75
1716	43	.85
1717	43	1.25
1718	43	1.50
1719	43	1.75
1720	21	2.50
1721	21	2.75
1722	21	2.50
1723	21	2.75
1725	43	1.75
1728	43	1.40
1729	43	1.40
1730	43	1.40
1733	48	2.50
1735	58	Per C. 8.00
1736	108	3.50
1737	108	6.00
1738	108	5.00
1739	108	1.75
1743	108	3.50

Catalog No.	Page No.	Price
1810	90	4.75
1811	90	4.00
1812	91	3.00
1813	91	2.25
1814	91	2.00
1815	91	3.00
1816	91	2.00
1817	91	2.50
1818	90	2.50
1820	90	3.00
1821	90	3.00
1822	91	3.00
1823	91	3.00
1824	91	3.00
1825	91	3.00
2001	74-75	7.50
2002	74-75	7.50
2003	74-75	7.50
2004	74-75	7.50
2005	74-75	7.50
2006	74-75	7.50
2007	74-75	7.50
2008	74-75	7.50
2009	74-75	7.50
2010	74-75	7.50
2011	74-75	7.50
2012	74-75	7.50
2013	74-75	7.50
2014	74-75	7.50
2015	74-75	7.50
2016	74-75	7.50
2017	74-75	7.50
2018	74-75	7.50
2023	74-75	7.50
2024	74-75	7.50
2025	74-75	7.50
2027	74-75	7.50
2029	74-75	7.50
2030	74-75	7.50
2033	74-75	7.50
2034	74-75	7.50
2036	74-75	7.50
2052	74-75	7.50
2053	74-75	7.50
2058	74-75	7.50
2061	74-75	7.50
2062	74-75	7.50
2063	74-75	7.50
2064	74-75	7.50

X-Ray Tube Repairs

	Page	Price
Re-exhaust 6" tube.....	13	\$6.00
Re-exhaust 7" tube.....	13	7.00
Repairing puncture 6" tube....	13	7.50
Repairing puncture 7" tube....	13	9.00
Rebuilding 6" tube.....	13	19.50
Rebuilding 7" tube.....	13	22.50

NOTE *Before a price indicates change over last price list.
Prices subject to change without notice.
Destroy all previous issues.

FORM 352

Price List for Catalog No. 11 (Accessories)

H. G. FISCHER & CO.

2335-43 Wabansia Av.

CHICAGO

May 10th 1922

Catalog No.	Page No.	Price	Catalog No.	Page No.	Price
01	70-71	\$ 0.75	166	66	1.50
1	70-71	.75	168	65	3.00
1A	70-71	1.50	170	65	5.50
2	70-71	.65	171	65	5.00
3	70-71	.85	172	65	5.00
4	70-71	.65	173	66	2.25
5	70-71	.65	174	66	2.25
6	70-71	.65	201	47	Pr. .15
7	70-71	.75	202	45	1.00
8	70-71	1.25	301	69	2.50
9	70-71	3.50	305	68	A to J .80
9D	70-71	3.50	305	68	K to N 1.00
11	70-71	1.75	306	69	Pr. 1.00
12	72-73	1.60	311	83	Pr. .75
13	72-73	1.85	312	83	Pr. .60
14	72-73	1.60	316	85	1.00
15	72-73	1.60	321	85	2.50
16	72-73	1.60	322	85	.75
17	72-73	1.60	324	85	.40
18	72-73	2.00	325	84	.30
20	76	2.00	326	84	.35
21	73	7.50	330	85	1.00
22	73	10.00	349	37	75.00
23	72-73	1.00	350	37	75.00
24	72-73	1.00	351	37	80.00
25	70-71	4.50	358	35	3.50
27	70-71	1.75	361	35	12.00
29	77	1.50	375	14	3.75
30	70-71	.75	376	14	5.00
33	70-71	.75	380	37	Lb. .35
34	70-71	.75	381	32	Lb. .15
36	73	2.75	383	37	Lb. 1.50
37	73	2.00	385	36	10.00
40	76	Per Ft. .10	390	36	Sq. In. .08
45	77	2.00	391	36	2.50
049	72-73	2.25	392	36	3.70
49	72-73	3.75	393	36	4.50
050	70-71-75	1.00	394	36	5.50
50	70-71-75	1.00	395	36	8.00
51	76	1.25	396	36	10.00
51-5	76	1.40	400	82	12.00
51-6	76	1.55	401	82	Per Ft. .20
51-7	76	1.70	404	82	8.00
52	80	1.00	405	33	35.00
53	78	1.25	410	79	10.00
54	78	.65	411	84	1.35
054	78	.65	412	84	.15
56	75	1.50	420	79	30.00
58	80	2.00	432	78	35.00
61	72-73	1.50	435	81	25.00
061	72-73	1.50	445	18	18.00
062	72-73	1.50	446	18	32.50
063	72-73	1.50	447	18	40.00
064	72-73	1.50	448	18	18.00
75	77	.40	449	80	27.50
76	77	.75	450	80	27.50
80	73	6.50	451	80	27.50
83	76	2.50	452	80	20.00
152	66	6.50	458	18	35.00
154	65	12.00	466	45	4.75

Catalog No.	Page No.	Price
470	67	19.50
471	67	24.50
528	22	2.75
529	22	3.30
530	23	3.30
531	23	7.50
532	23	2.75
533	23	6.50
545	42	16.00
551	25	9.50
553	24	35.00
563	38	.04
564	38	.04
570	38	4.50
573	34	8.25
575	34	15.00
577	34	24.00
581	46	.40
582	46	.60
585	33	3.50
590	44	2.00
595	46	.40
596	46	.60
598	47	.75
606	87	.75
606R	87	.75
607	87	.60
609	87	1.00
610	87	1.00
611	87	1.25
613	86	2.00
614	86	1.40
615	81	3.50
616	81	2.75
618	83	.60
642	15	117.00
643	15	15.00
644	15	25.00
646	14	2.50
649	19	150.00
650	108	4.00
653	108	10.00
656	108	3.50
659	19	170.00
662	108	7.50
663	108	2.75
664	108	4.00
673	57	.90
675	54	Per Doz. 1.00
676	54	Per C 1.00
679	51	.40
680	51	.12
681	51	.85
682	52	.35
683	52	.60
684	52	.75
685	51	3.50
688	86	.75
690	86	2.00
692	87	.65
700	21	1.25
701	23	2.35
703	21	Per Ft. .03
705	23	.12
725	108	.60
726	108	1.40
950X	12-92	55.00
951X	92	75.00
952X	92	110.00
955X	92-93	57.50

Catalog No.	Page No.	Price
956X	92-93	80.00
957X	92-93	125.00
960	93	9.00
961	93	9.00
963	16	16.00
964	16	18.00
965	16	20.00
966	16	22.00
967	16	24.00
968	16	24.50
969	16	7.50
975	8	17.50
980	17	17.00
981	17	19.00
982	17	24.00
983	17	35.00
984	17	45.00
987	17	7.00
988	17	8.50
993	10	38.50
994	10	43.50
997	9	43.50
998	9	38.50
999	9	32.50
1000	9	27.50
1001	19	6.00
1001F	19	6.00
1005	4-5	80.00
1006	7	.25
1007	5	.50
1008	5	.50
1009	6	5.00
1010	57	12.00
1012	58	9.00
1013	7	30.00
1014	7	30.00
1015	8	13.00
1017	29	40.00
1018	29	50.00
1019	29	60.00
1020	28	16.50
1021	29	10.00
1022	29	21.00
1023	29	30.00
1024	28	20.00
1025	28	21.50
1027	29	Per In. .25
1036	29	60.00
1037	29	65.00
1038	29	80.00
1039	29	100.00
1040	30	20.00
1041	30	30.00
1042	30	40.00
1043	30	60.00
1044	32	15.00
1045	32	17.00
1046	32	19.00
1047	32	21.00
1050	6	7.00
1051	6	8.00
1054	11	125.00
1055	11	125.00
1056	11	125.00
1057	10	125.00
1058	10	125.00
1059	10	125.00
1060	12	50.00
1061	12	30.00
1064	13	6.00

Catalog No.	Page No.	Price
1066	12	.70
1070	6	5.00
1071	6	5.00
1072	6	5.00
1073	6	5.00
1075	5	25.00
1079	27	35.00
1080	26	250.00
1100	31	15.00
1101	31	22.50
1102	31	30.00
1103	31	45.00
1105	31	32.50
1106	31	50.00
1107	31	65.00
1108	31	100.00
1110	104	10.00
1111	104	5.75
1113	105	10.50
1114	105	3.50
1120	31	Per Sq. Ft. .20
1300	88-89	65.00
1301	88-89	9.50
1302	88-89	6.00
1303	88-89	3.50
1304	88-89	5.25
1305	88-89	4.75
1306	88-89	3.00
1307	88-89	1.25
1308	88-89	1.75
1309	88-89	2.00
1310	88-89	2.75
1311	88-89	3.75
1312	88-89	3.50
1313	88-89	3.00
1314	88-89	2.75
1315	88-89	1.35
1316	88-89	1.35
1317	88-89	1.35
1318	88-89	1.25
1319	88-89	1.25
1320	88-89	1.25
1321	88-89	1.35
1322	88-89	1.35
1323	88-89	1.50
1324	88-89	1.75
1500A	106	.30
1500B	106	.35
1500C	106	.40
1501	107	.85
1503	105	2.00
1505	106	1.00
1507	106	.60
1507R	106	.35
1508	106	1.35
1508R	106	.35
1510	96	9.00
1511	96	.85
1512	96	1.25
1513	96	1.00
1514	96	1.00
1516	99	4.00
1517	99	Per Ft. .30
1520	100	.30
1521	100	1.70
1522	100	1.70
1523	101	1.70
1524	101	2.55
1525	102	2.80
1527	102	1.70

Catalog No.	Page No.	Price
1528	103-104	3.50
1530	102	.40
1532	99	.60
1533	99	Per Ft. .12
1534	99	1.00
1535	99	.30
1537	101	1.50
1540	50	Doz. sets .40
1541	50	.60
1542	50	.75
1543	50	1.10
1544	50	1.60
1545	50	2.80
1550	97	.30
1550R	97	.12
1551	97	.60
1551R	97	.30
1552	97	.75
1552R	97	.30
1555	107	.45
1556	107	.55
1560	98	.60
1560A	98	.35
1561	98	.60
1561A	98	.10
1562	98	1.00
1562A	98	.50
1567	97	.75
1568	93	3.00
1570	95	5.50
1571	95	.50
1573	107	.20
1575	95	.45
1577	99	3.50
1582	108	.10
1584	94	17.50
1586	95	.75
1589	108	.60
1590	98	2.00
1595	48	.25
1600	44	3.50
1601	45	1.50
1604	42	1.00
1605	42	1.75
1606	42	2.25
1607	42	3.50
1608	42	5.00
1618	50	Per Doz. 1.70
1619	50	Per Doz. 2.55
1620	50	Per Doz. 3.60
1621	50	Per Doz. 6.20
1622	50	Per Doz. 8.70
1623	50	Per Doz. 14.50
1626	52	.60
1632	52	Box of ten .25
1633	53	Per Doz. .60
1638	53	Per Doz. .40
1639	53	Per Doz. 1.25
1640	56	.70
1641	56	1.40
1642	56	1.15
1643	56	2.45
1644	55	.70
1645	55	.70
1646	54	Per Doz. 1.25
1647	54	1.50
1648	55	1.50
1649	55	1.50
1650	51	.65
1651	51	.80

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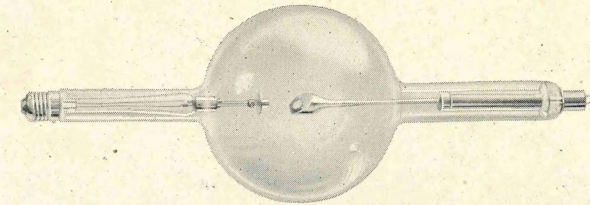
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The Engeln Electric Company

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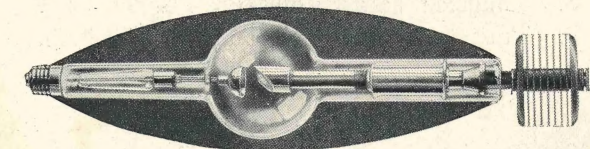
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Cat. No. 500. Universal Type Coolidge Tube—Fine focus.

Cat. No. 501. Universal Type Coolidge Tube—Medium focus.

Cat. No. 502. Universal Type Coolidge Tube—Broad focus.

Radiator Type Coolidge X-Ray Tube (Self Rectifying)



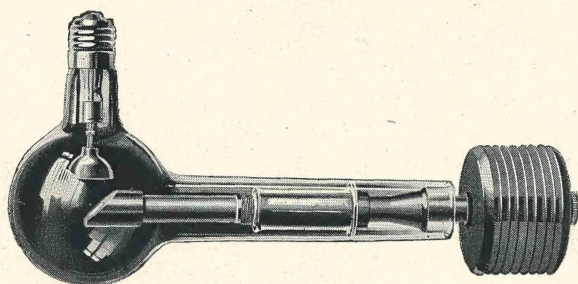
The Radiator tube is intended solely for diagnostic purposes and should be used for fluoroscopy and radiography only. It should never be used for therapy.

The Radiator type tube is furnished in two capacities or energy input ratings: capacity 10 milliamperes 5" back-up, and 30 milliamperes 5-inch back-up. The 10 M. A. tube is of sufficient capacity for fluoroscopic examinations of any part of the body and for all radiographic work excepting gastro-intestinal where the 30 M. A. tube should be used.

Cat. No. 503. Radiator Type Coolidge Tube—10 M. A. Capacity.

Cat. No. 504. Radiator Type Coolidge Tube—30 M. A. Capacity.

Radiator Dental Type Coolidge X-Ray Tube (Self Rectifying)



The Dental Radiator Type of Tube is designed to be operated at all times with an energy input not exceeding that corresponding to 10 milliamperes with a 3-inch parallel spark gap.

Cat. No. 505. Radiator Dental Type Coolidge X-Ray Tube—capacity 10 M. A. at 3-inch back-up spark.

Tungsten Target Transformer X-Ray Tubes

Cat. No. 506. Tungsten Target Transformer Tube—6-inch bulb.
Cat. No. 507. Tungsten Target Transformer Tube—7-inch bulb.

Tungsten Target Coil X-Ray Tubes

Cat. No. 508. Tungsten Target Coil Tube—6-inch bulb.
Cat. No. 509. Tungsten Target Coil Tube—7-inch bulb.

Hydrogen X-Ray Tube

Cat. No. 512. Standard Hydrogen X-Ray Tube.

(When ordering hydrogen tube please mention type of apparatus on which the tube is to be used.)

Platinum Target High Frequency X-Ray Tubes

Cat. No. 513. Platinum Target H. F. Tube—6-inch bulb.
Cat. No. 514. Platinum Target H. F. Tube—7-inch bulb.

Valve Tubes

Cat. No. 514-A. Valve Tubes—6-inch bulb.

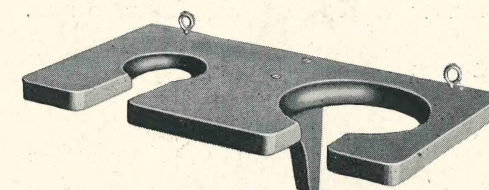
We repair, rebuild and repump all styles and types of X-Ray and High Frequency Tubes.

When you have a Coolidge Tube to repair or repump, please ship direct to our nearest office and notify us immediately that same has gone forward. *Do not fail to give us the number of the tube.*

Regarding safe delivery of X-Ray tubes—

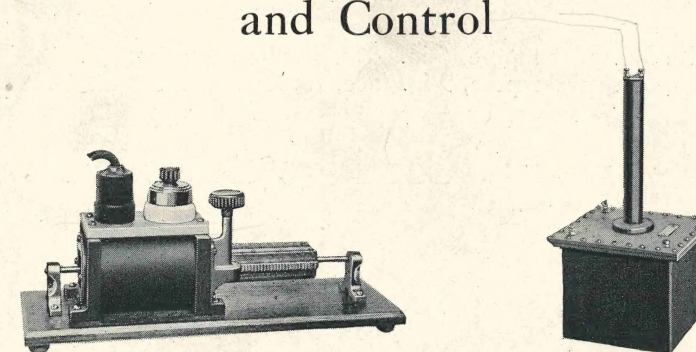
Unless otherwise ordered, all X-Ray tubes will be shipped by express, at three times first-class rate, which guarantees safe delivery.

Tube Racks



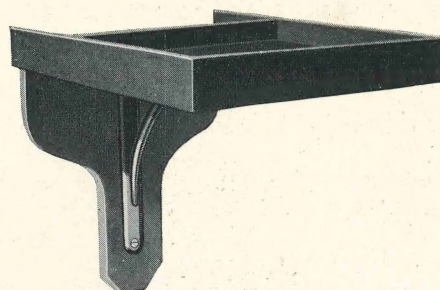
Cat. No. 515. Tube Rack for one 7-in. Tube.
Cat. No. 516. Tube Rack for one Radiator Tube.
Cat. No. 517. Tube Rack for two 7-in. Tubes.
Cat. No. 518. Tube Rack for two Radiator Tubes.
Cat. No. 519. Tube Rack for one 7-in. and one Radiator Tube.
(The above furnished either in oak or mahogany.)

K-K Coolidge Filament Transformer and Control



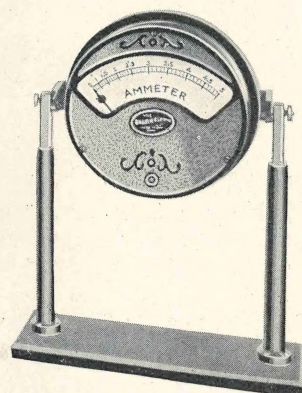
Cat. No. 316-A. K-K Coolidge Filament Transformer and Control for 110 V. 60 cycle, Alternating Current.
Cat. No. 316-B. K-K Coolidge Filament Transformer and Control with rotary converter for 110 V. Direct Current.
Cat. No. 317. K-K Coolidge Filament Control only, for Direct or Alternating Current.

Shelf for Coolidge Transformer (Magnuson Type)



Cat. No. 520. Shelf for K-K Coolidge Transformer.

K-K Coolidge Ammeters



Cat. No. 340. 5 Ampere, 6-in. face, for Coolidge Circuit.
Cat. No. 404. 5 Ampere, 9-in. face, for Coolidge Circuit (Weston).

Coolidge Cathode Terminal (Victor Type)

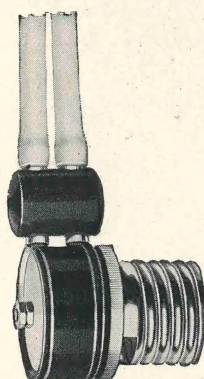


Fig. 1

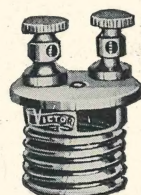
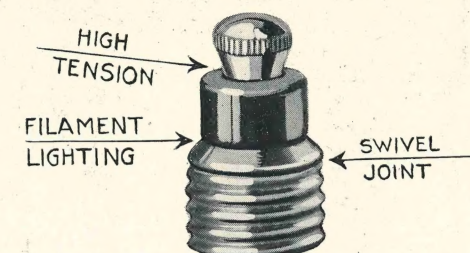


Fig. 2

Cat. No. 523. Victor-Coolidge Cathode Terminal with swivel head (Fig. 1).
Cat. No. 524. Victor-Coolidge Cathode Terminal (unadjustable) (Fig. 2).

Coolidge Cathode Terminal (Engeln Type)

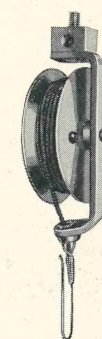


Cat. No. 525. Engeln-Coolidge Cathode Terminal.

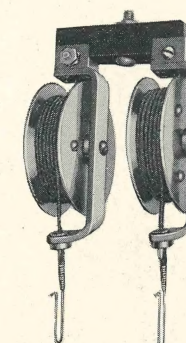
Milliampere Meters

Cat. No. 341. Milliampere Meter, 6-in. face.
Cat. No. 342. Milliampere Meter, 9-in. face.
Cat. No. 343. Meter Bracket for 6-in. Meter.
Cat. No. 344. Meter Bracket for 9-in. Meter.

Automatic Cord Reels (K-K Type)



Single



Double

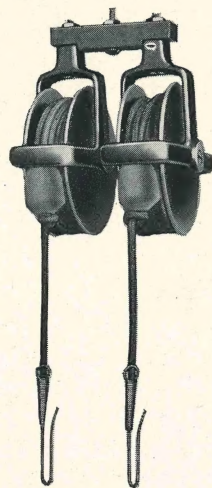
Cat. No. 360. K-K Automatic Winding Double Reels, hand made (brass).
Cat. No. 361. K-K Automatic Winding Single Reels, hand made (brass).
Cat. No. 362. Trolleys for same, per reel.
Cat. No. 397. Cords for Reels (8 ft. long).

Automatic Cord Reels

(Engeln Type)



Single

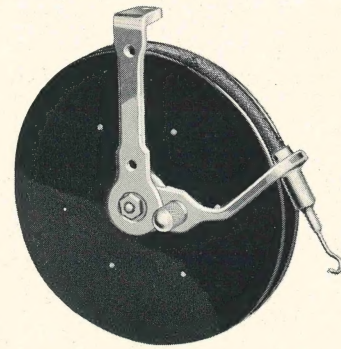
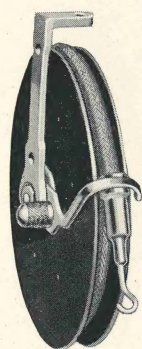


Double

- Cat. No. 526. Engeln Automatic Winding Double Reels.
Cat. No. 527. Engeln Automatic Winding Single Reels.
Cat. No. 528. Cords for Reels (10 ft. long, extra heavy).

Automatic Cord Reels

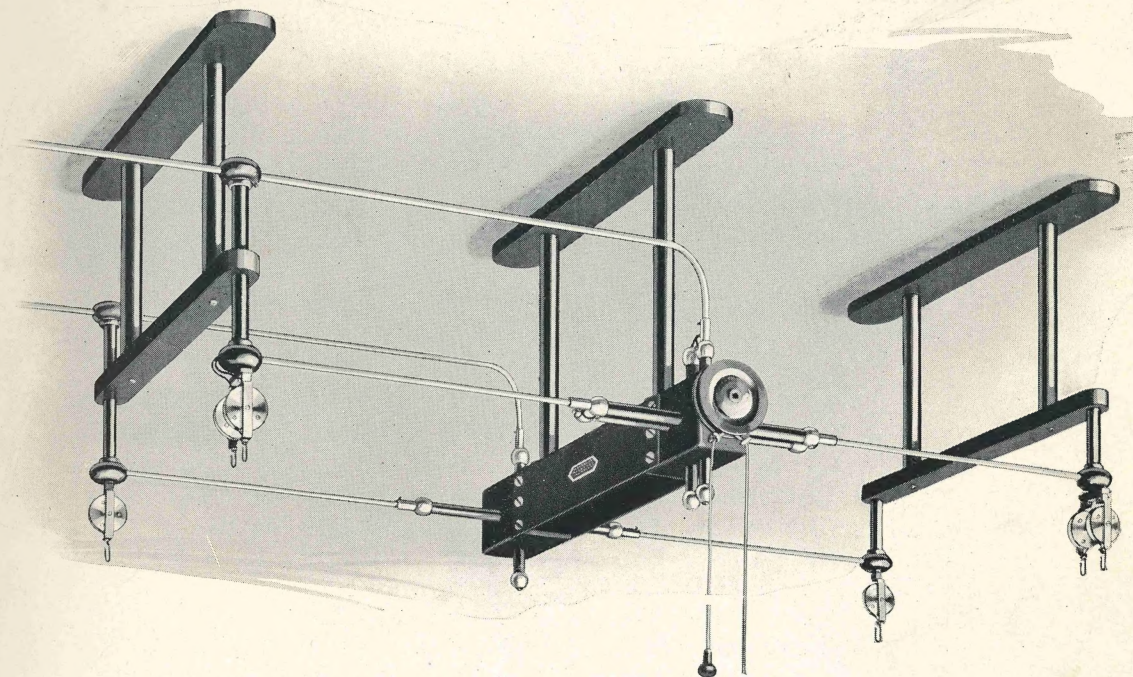
(G. E. Type)



- Cat. No. 529. G. E. Single Bakelite 7-in. Reel with 10 ft. Heavy Insulated Cable.
Cat. No. 530. G. E. Coolidge-Bakelite 7-in. Reel with 10 ft. Heavy Insulated Cable.
Cat. No. 531. Adapter for connecting G. E. Reel to Engeln Coronaless Aerial System.
Cat. No. 532. Complete Double Reel Set with Adapters.

High Tension Coronaless Aerial System

(Engeln Type)



This system is built along lines which are electrically and mechanically correct. It enables the operator to obtain the maximum of safety, speed and efficiency. Corona is absolutely eliminated, and the full output of the transformer is delivered without loss to the X-Ray tube, therefore fluoroscopy may be done with less milliamperage. With the elimination of the corona, there is no nitrous oxide, so objectionable in fluoroscopic rooms where the ventilation is none too good.

The flexibility of this system, with its component parts, adapts itself to every conceivable layout.

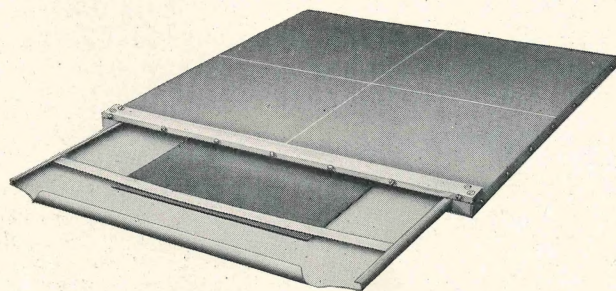
- Cat. No. 535. Adapters (complete).
Cat. No. 536. Adapter and Reel Support.
Cat. No. 537. Brackets, Single Deck (Coolidge System).
Cat. No. 538. Brackets, Single Deck (Coolidge and Gas).
Cat. No. 539. Brackets, Double Deck (Coolidge System).
Cat. No. 540. Brackets, Double Deck (Coolidge and Gas).
Cat. No. 541. Brackets, Corner (any style).
Cat. No. 542. Coolidge Wire (special).
Cat. No. 543. Copper Tubing.

- Cat. No. 544. Ells (complete).
- Cat. No. 545. High Tension Coolidge Switch (Improved type).
- Cat. No. 546. Micanite (1¼-in.) Partition Insulators, 19-in. long.
- Cat. No. 547. Micanite (Extra lengths).
- Cat. No. 548. Reels, Engeln (single) for this system.
- Cat. No. 549. Reels, Engeln (double) for this system.
- Cat. No. 550. Reels, Keleket (single) for this system.
- Cat. No. 551. Reels, Keleket (double) for this system.
- Cat. No. 552. Tees, complete.
- Cat. No. 553. Wall Boards.
- Cat. No. 554. Meter Loop.

High Tension Wire Aerial System

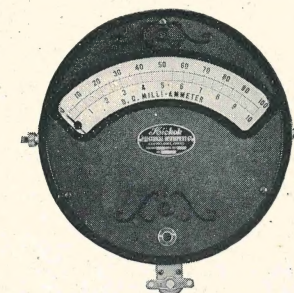
- Cat. No. 559. Copper Wire, No. 10 Bare.
- Cat. No. 560. Copper Wire, No. 12 Duplex R. C.
- Cat. No. 561. Copper Wire, No. 12 Single R. C.
- Cat. No. 562. Insulated Shelf for Coolidge Transformer.
- Cat. No. 563. Insulated Mounting for Coolidge Control.
- Cat. No. 564. Partition Insulator, 36-in. long.
- Cat. No. 565. High Tension Insulator.
- Cat. No. 566. Turn Buckle.
- Cat. No. 567. Wooden piece for anchoring Overhead to Wall.
- Cat. No. 568. K-K Trolley Reel, Coolidge.
- Cat. No. 569. K-K Trolley Reel, H. T. Side.
- Cat. No. 570. Cord for Coolidge Reel, without hook.
- Cat. No. 571. Hook for Coolidge Reel Cord.
- Cat. No. 572. Complete Coolidge Wire System for one Room only.
- Cat. No. 574. Complete Coolidge Wire Cross Overhead System.

Plate Changing Tunnel



- Cat. No. 349. Plate Changing Tunnel, 8-in. x 10-in. with 2 slides.
- Cat. No. 350. Plate Changing Tunnel, 12-in. x 12-in. with 2 slides.
- Cat. No. 351. Plate Changing Tunnel, 14-in. x 14-in. with 2 slides.
- Cat. No. 352. Plate Changing Tunnel, 17-in. x 17-in. with 2 slides.
- Cat. No. 353. Plate Changing Tunnel, 4 exposures on one 11-in. x 14-in. plate.

Hickok Milli-Ammeter (D'Arsonval Type)



This instrument has a guaranteed accuracy when used with any type of X-Ray Tube of one-fourth of one per cent. It is approximately 9 inches in diameter, and has a large scale, which can be easily read at a distance of 15 feet. The cover of the instrument is made of bakelite and equipped with a shield which entirely eliminates the effect of high static potential. The Milli-ammeter has a double scale, the lower range being 0 to 10 Milli-amperes and the high range 0 to 100 Milli-amperes. It is equipped with switch, which can be operated by a cord, enabling the operator to change from one range to the other without danger of shock.

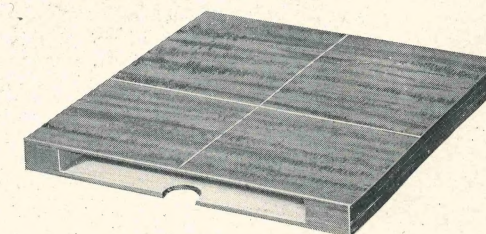
- Cat. No. 575. Hickok Double Scale Milli-ammeter.
- Cat. No. 576. Meter Bracket for same.

Cassettes - Edwards

- Cat. No. 580. 5 -in. x 7 -in. Standard Edwards Cassette.
 - Cat. No. 581. 6½-in. x 8½-in. Standard Edwards Cassette.
 - Cat. No. 582. 8 -in. x 10 -in. Standard Edwards Cassette.
 - Cat. No. 583. 10 -in. x 12 -in. Standard Edwards Cassette.
 - Cat. No. 584. 11 -in. x 14 -in. Standard Edwards Cassette.
 - Cat. No. 585. 14 -in. x 17 -in. Standard Edwards Cassette.
- (Sold with Edwards Screens only)

Engeln Wooden Cassette Holder

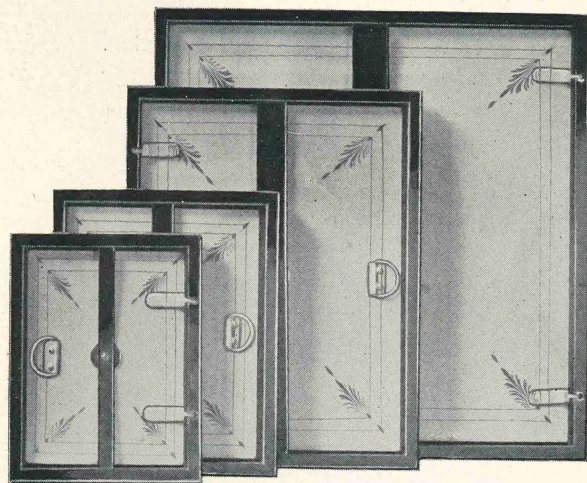
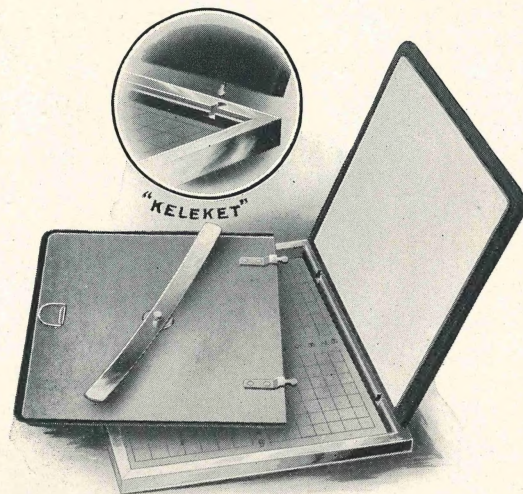
Designed with the same idea of economy and utility as the wooden plate changing tunnel. Will accommodate any make of cassette.



- Cat. No. 590. Engeln Wooden Cassette Holder, size 8-in. x 10-in.
- Cat. No. 591. Engeln Wooden Cassette Holder, size 10-in. x 12-in.

Cassettes - Patented Hinged Back

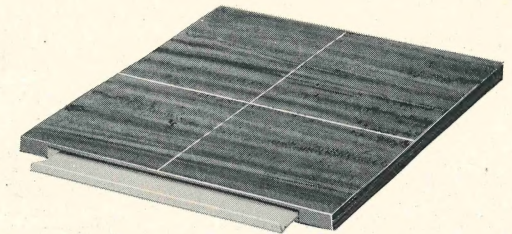
(Kelley-Koett)



- Cat. No. 333. 5 -in. x 7 -in. Hinged Back K. K. Cassette.
- Cat. No. 334. 6½-in. x 8½-in. Hinged Back K. K. Cassette.
- Cat. No. 335. 8 -in. x 10 -in. Hinged Back K. K. Cassette.
- Cat. No. 336. 10 -in. x 12 -in. Hinged Back K. K. Cassette.
- Cat. No. 337. 11-in. x 14-in. Hinged Back K. K. Cassette.
- Cat. No. 338. 14-in. x 17-in. Hinged Back K. K. Cassette.
- Cat. No. 339. 17-in. x 17-in. Hinged Back K. K. Cassette.

Engeln Wooden Plate Changing Tunnel

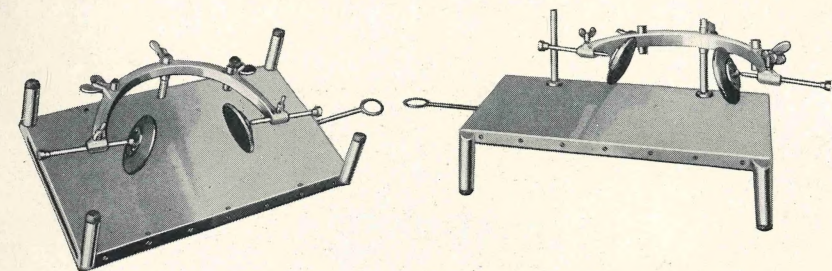
This accessory has been designed for economy as well as utility. It is made of three-ply mahogany, and will not warp or bend. Equipped with metal slide, as shown. The cross line for centering plates or films is slightly off center, to allow for plates being inserted to one side of the exposure envelope. The slide is wide enough to accommodate the full width of envelope. It is so much less expensive than the metal types that a number of the various sizes may be kept on hand.



- Cat. No. 586. Engeln Wooden Plate Changing Tunnel, size 8-in. x 10 in.
- Cat. No. 587. Engeln Wooden Plate Changing Tunnel, size 10-in. x 12-in.

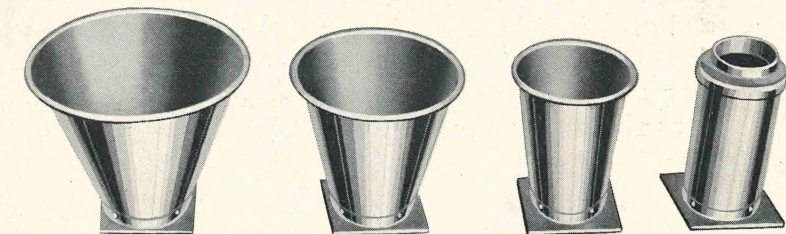
Plate Changing Tunnel

(With Head Clamps, Reversible)



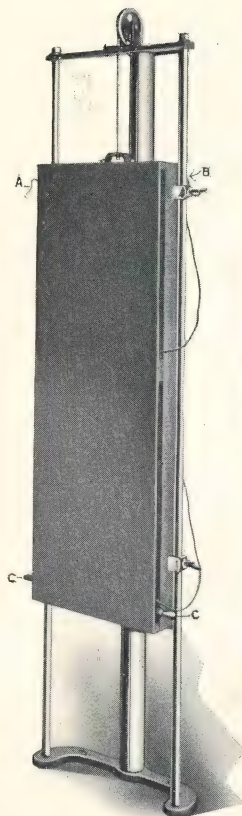
- Cat. No. 347. Plate Changing Tunnel, 8-in. x 10-in., reversible, with Head Clamp.
- Cat. No. 348. Plate Changing Tunnel, 5-in. x 7-in. with head clamps.

Cones for K-K Bedside Unit

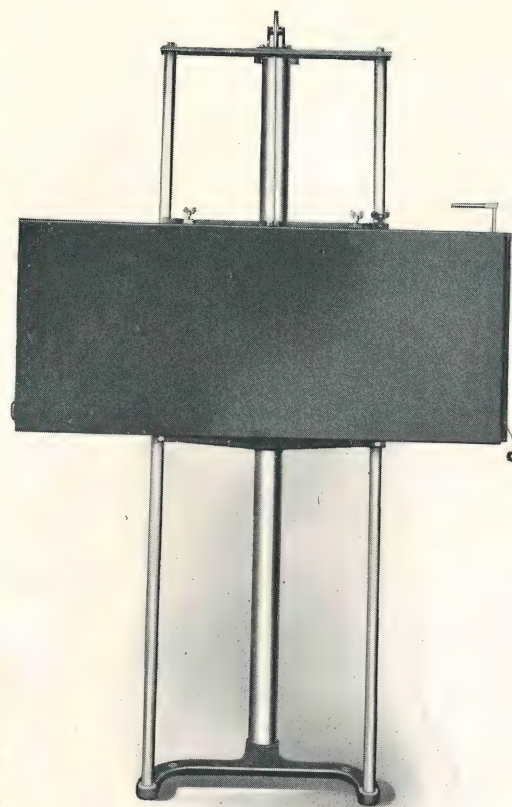


- Cat. No. 407. No. 1-B, 5½ in. long, 3½ in. large end.
- Cat. No. 408. No. 2-B, 5½ in. long, 5¼ in. large end.
- Cat. No. 409. No. 3-B, 6 in. long, 6¾ in. large end.
- Cat. No. 410. No. 11-B, 6 in. long, 2 in. large end.

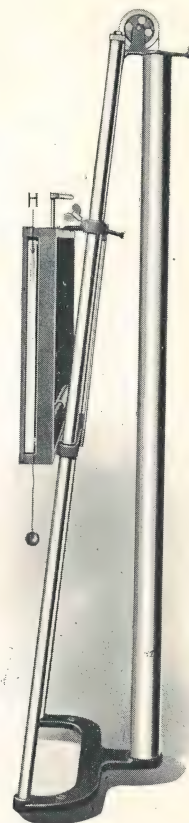
Automatic Plate Changer



No. 346



No. 345



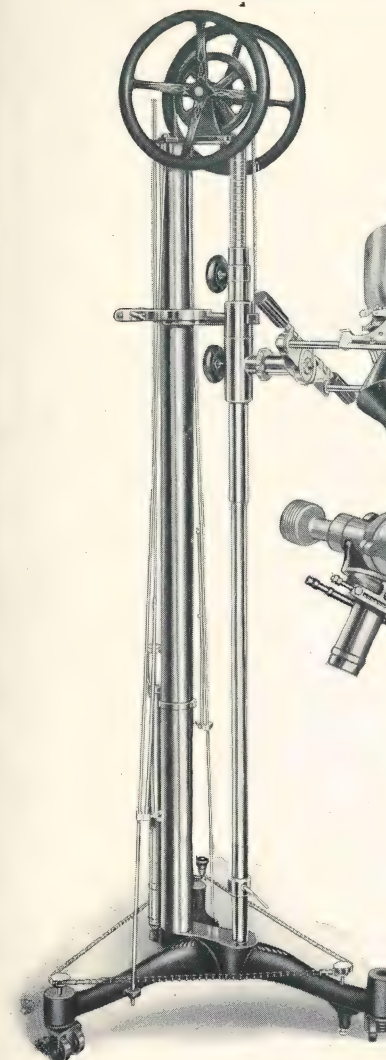
Side View, No. 345-a

The above Illustrations (Plates Nos. 345 and 345-A) represent the latest type of Horizontal Plate Changer, where the standard Air Cushion method of plate changing is employed. Where space is not particularly limited, this instrument is most desirable, but, where economy of floor space is necessary, it is advisable to use the Vertical Plate Changer as shown (Plate No. 346).

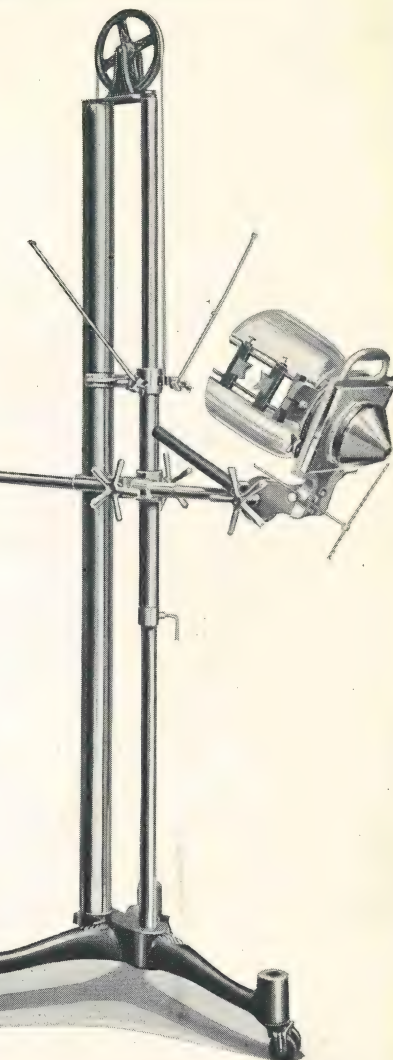
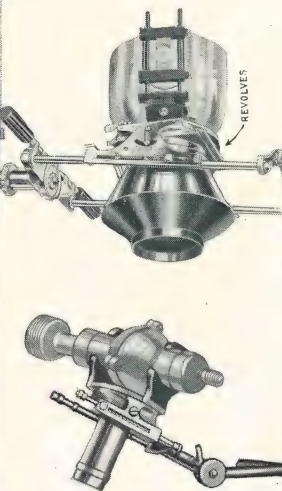
The Vertical Plate Changer is but 25½ inches wide and 6 ft. 6 in. high. The mechanical features of both instruments are identical. They are now equipped with three-ply wooden fronts, instead of the old style aluminum and clear window.

- Cat. No. 345. Plate Changer, Automatic, Horizontal Shift.
Cat. No. 346. Plate Changer, Automatic, Vertical Shift.

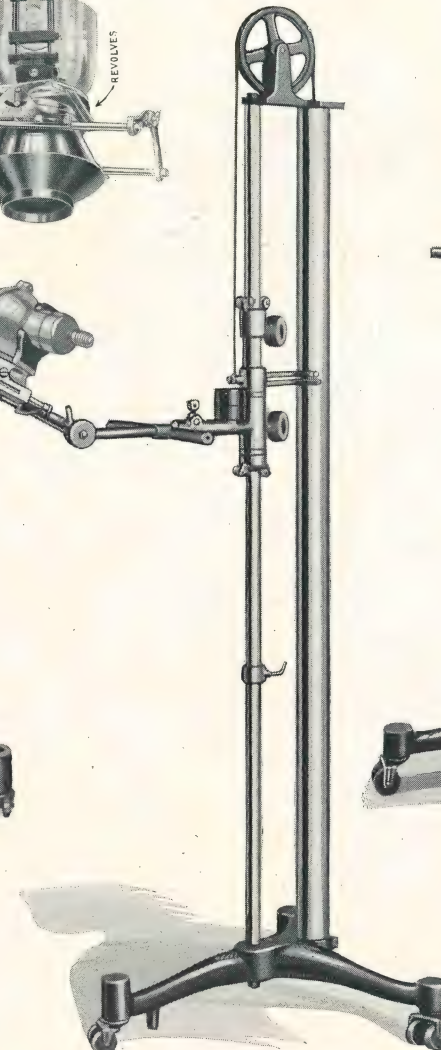
Tube Stands



Stereographic Tube Stand No. 6.



Counterweighted Treatment Stand No. 5.



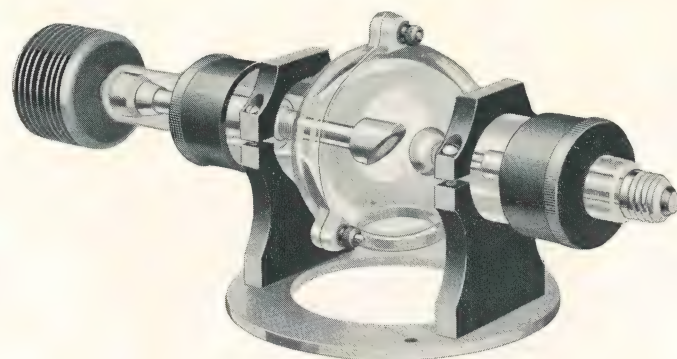
Tube Stand No. 7

- Cat. No. 387. K-K Tube Stand, Stereoscopic No. 6.
Cat. No. 400. K-K Tube Stand, Stereoscopic No. 6, ball-bearing.
Cat. No. 388. Tube Stand, Treatment No. 5.
Cat. No. 424. K-K Tube Stand, Stereoscopic No. 7, ball-bearing, no shield.
Cat. No. 391. K-K Tube Stand, ball-bearing, rail mounted.
Cat. No. 392. Tube Clamps.
Cat. No. 300. Centering Rod with attaching bracket.

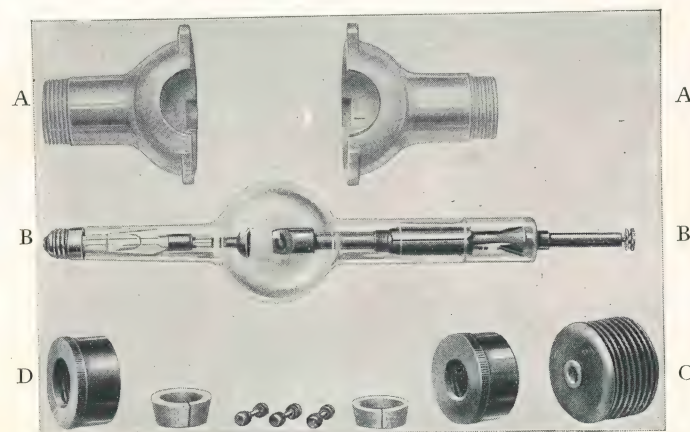
Treatment Attachment

Cat. No. 403. Tube Holding Arm of No. 5 Stand, with clamps for attaching to No. 6 Stand, including Shield and Tube Clamps.

Engeln Radiator Tube Holder Combination



This combination is designed to adapt the Radiator Type of Coolidge X-Ray Tube to any style Keleket Tube stand. The base, or saddle, is quickly interchangeable with the standard K-K Protective bowl. The lead glass shield assembly is illustrated below.



- A—Two Halves of Lead Glass
B—Radiator Type X-Ray Tube
C—Radiator for Tube
D—Two Molded Caps to Make Bushings Secure
E—Two Cork Bushings to Prevent Rotation of Tube
F—Three Screws to Hold Shield Halves in Place

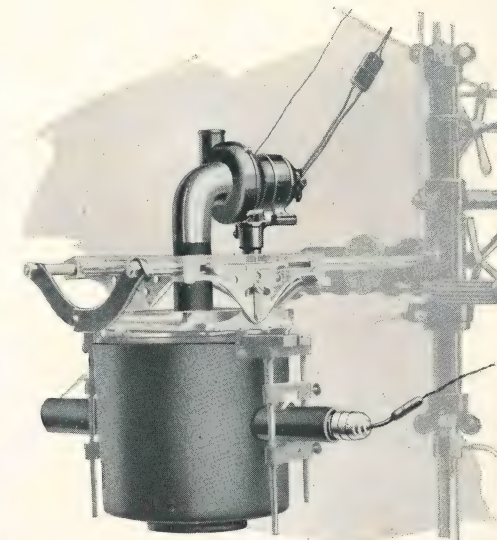
Cat. No. 594. Engeln Saddle for Tube Holder Combination.
Cat. No. 595. Tube Shield assembly for Radiator Type Coolidge Tube.
Cat. No. 596. Engeln Radiator Tube Holder Combination complete.

Engeln Protective Coolidge Tube Shield and Cooling Unit

This outfit can be installed on any Stereoscopic Tube Stand which has a lead glass bowl not in excess of 9 inches in diameter.

The rubber shield has a 4-inch opening and the unit is equipped with a set of three heavy rubber apertures, 1, 2 and 4-inch openings, allowing space for inserting leather or aluminum filters. This shield converts the stand into an efficient treatment unit by simply inverting the tube carriage, as shown in illustration.

We recommend including a lead glass bowl, saddle and tube clamps

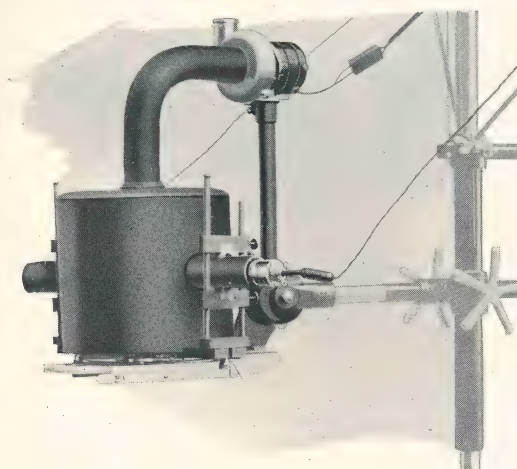


No. 6 Shield Outfit.

when ordering the No. 6 Unit, so as to have the complete outfit on hand, enabling a quick change for treatment work.

This arrangement of the cooling unit is adapted for quick installation on a Treatment Tube Stand, and may be kept on the tube stand permanently for either picture work or treatments.

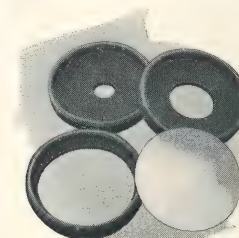
The No. 6 Unit may be used in connection with a Treatment Tube stand in the same manner



No. 5 Shield Outfit

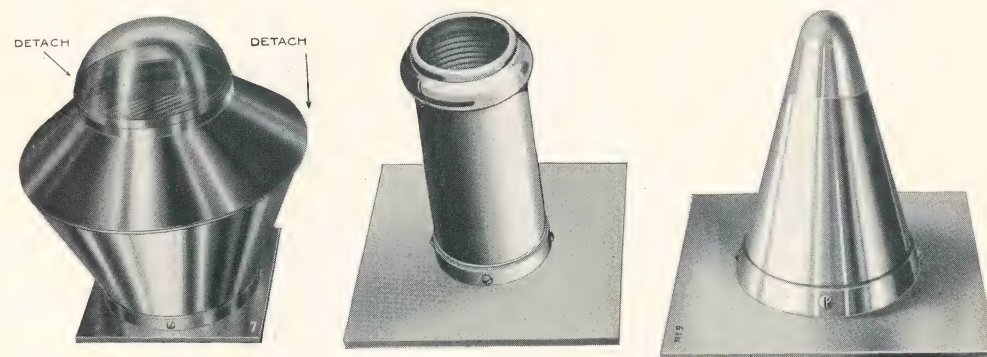
as described for a Stereoscopic Stand, however, the No. 5 Unit is not practical for a Stereoscopic stand.

Specify make of Tube Stand when ordering, and whether you desire a No. 5 or a No. 6 Unit. Price of both units is the same. The set of rubber apertures is supplied with the No. 6 Outfit only.

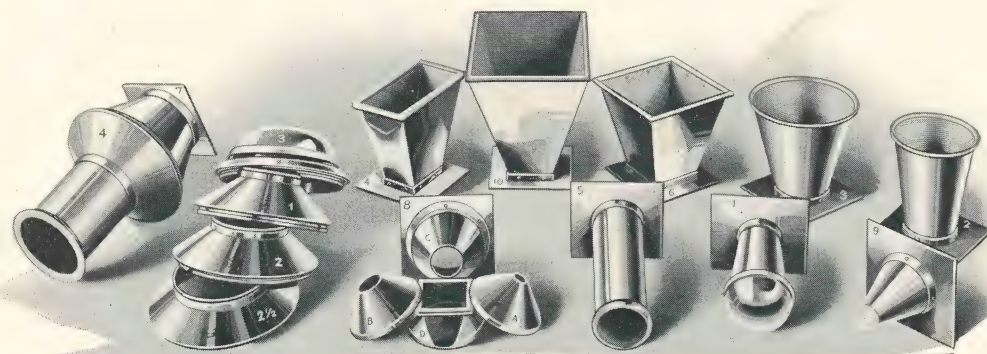


- Cat. No. 597. Engeln Cooling Unit No. 6 complete, consisting of Rubber Shield, 2 Rubber Sleeves for X-Ray tube, set of 3 Rubber Apertures, Fan and Motor.
- Cat. No. 598. Engeln Cooling Unit No. 5 complete, consisting of Rubber Shield, 2 Rubber Sleeves for X-Ray tube, Fan and Motor.
- Cat. No. 599. No. 5 or No. 6 Unit complete with Lead Glass Bowl, Saddle and Tube Clamps.
- Cat. No. 600. Tube Shield only, 9-in. Bowl.
- Cat. No. 601. Sleeve, anode end of tube.
- Cat. No. 602. Sleeve, filament end of tube.
- Cat. No. 603. Set of 3 Heavy Rubber Apertures with 1-in., 2-in. and 4-in. openings.
- Cat. No. 604. Exhaust Fan, Motor and Connections.
- Cat. No. 605. Lead Glass Bowl with Saddle, Tube Holder and Clamps.

Keleket Cones and Nozzles

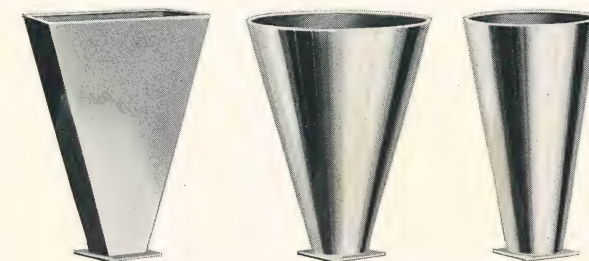


- No. 307 No. 310 No. 309
- Cat. No. 307. Hickey Universal Sectional Cone, 6-in. long, 9½-in. diam., top section only.
- Cat. No. 311. No. 1 Reducer for No. 7 Cone, 4-in. small end.
- Cat. No. 312. No. 2 Reducer for No. 7 Cone, 5¼-in. small end.
- Cat. No. 313. No. 2½ Reducer for No. 7 Cone, 6-in. small end.



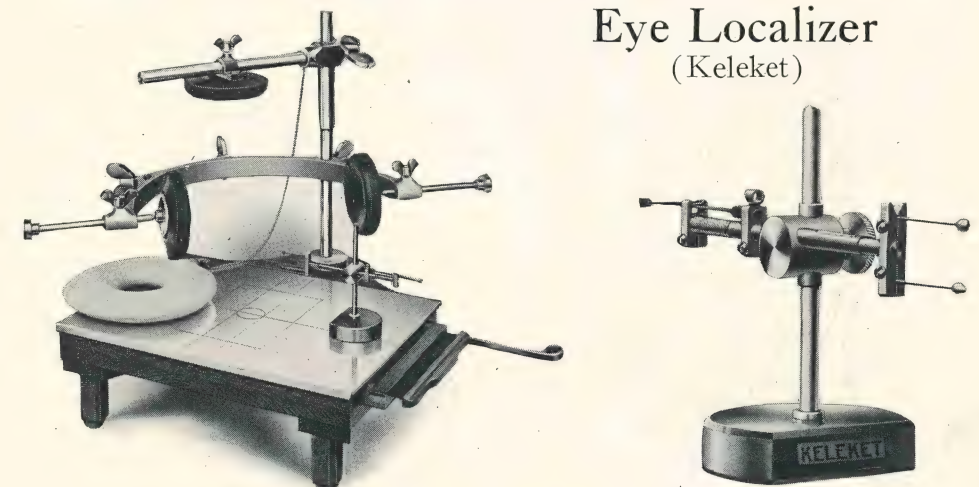
- Cat. No. 314. No. 3 Reducer for No. 7 Cone, 7½-in. small end.
- Cat. No. 315. No. 4 Cylinder Extension, 5½-in. small end.
- Cat. No. 396. Aluminum Hemisphere (compression diaphragm) to fit any Cone or Nozzle.
- Cat. No. 301. No. 1, 6 in. long, 3½ in. large end.
- Cat. No. 302. No. 2, 8 in. long, 5½ in. large end.
- Cat. No. 303. No. 3, 8 in. long, 7¼ in. large end.
- Cat. No. 304. No. 4, 7½ in. long, 3½ x 8 in. large end.
- Cat. No. 305. No. 5, 10 in. long, 3 in. large end.
- Cat. No. 306. No. 6, 7½ in. long, 6¾ in. square.
- Cat. No. 308. No. 8, Treatment, 3 round and 1 square nozzle.
- Cat. No. 309. No. 9, Dental Cone.
- Cat. No. 310. No. 11, Dental Cone.

Engeln Spine Cones



- Cat. No. 610. No. 1-C, 9 in. long, 3 in. x 7 in. large end (quad).
- Cat. No. 611. No. 2-C, 9 in. long, 5 in. large end (round).
- Cat. No. 612. No. 3-C, 9 in. long, 7 in. large end (round).

Eye Localizer (Keleket)



- Cat. No. 320. Keleket Eye Localizer, complete with head rest.
- Cat. No. 414. Keleket Eye Localizer, indicator only.

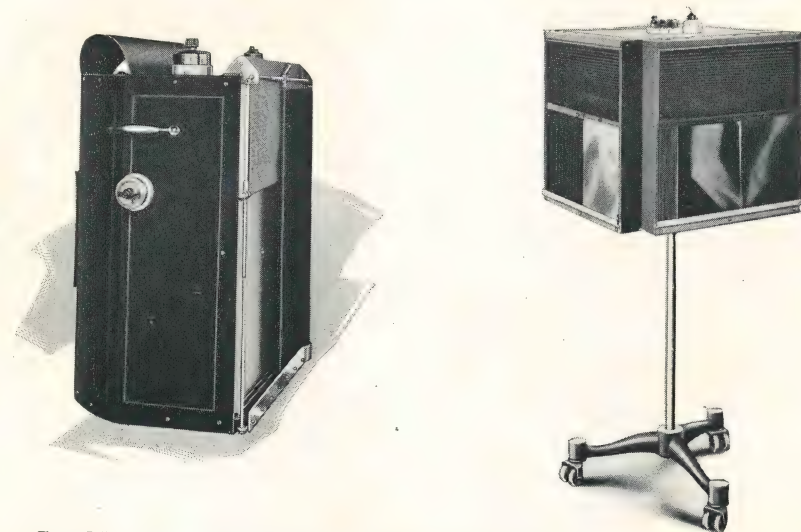
Keleket Wheatstone Stereoscope



Cat. No. 364. Stereoscope, improved type, with water-proof spring curtains and 75w Daylite lamps.

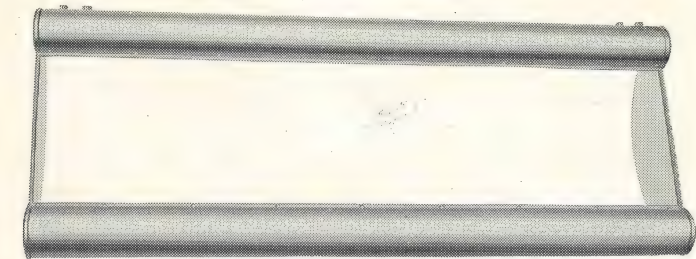
Cat. No. 613. Duplex Wheatstone Stereoscope (for two observers).

Keleket Illuminators



Cat. No. 331. Illuminator, Single, with 75w Daylite Lamps.
Cat. No. 332. Illuminator, quadrangular, revolving.

Engeln Illuminator



This Illuminator is built on the parabola principle, with indirect illumination. It is equipped with C-2 Mazda Daylite Lamps, and the evenly distributed pure white light brings out the maximum diagnostic value of plates or films. The light may be varied by means of the snap switches at either end.

It is constructed of furniture steel, flat white finish inside and black enamel outside—constructed to take a sheet of plate glass on front. Built in two sizes, both 6 feet long, one to accommodate 10x12 negatives or smaller and the larger size made for 14x17 negatives or smaller.

Cat. No. 614. To accommodate 14 x 17 negatives, equipped with 16-100 watt, 115 volt C-2 Mazda Lamps, but without plate glass.

Cat. No. 615. To accommodate 10 x 12 negatives, equipped with 16-75 watt, 115 volt, C-2 Mazda Lamps, but without plate glass.

Engeln Illuminating Box

This illuminator is built for examining X-Ray negatives up to and including the 8 x 10 size. It is constructed of metal throughout, with opal glass front, and equipped with one 75w Mazda Daylite lamp. The switch is mounted on top and provided with lamp cord and socket.



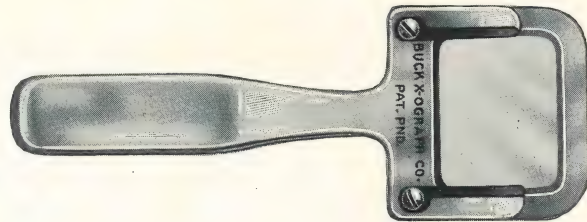
Cat. No. 618. Engeln 8 x 10 Illuminating Box complete, with one 75w Mazda Daylite lamp.

Filters

Cat. No. 321-B. Filters, $\frac{1}{4}$ m. m. Aluminum for K. K. Tube Stands.
Cat. No. 321. Filters, 1 m. m. Aluminum for K. K. Tube Stands.

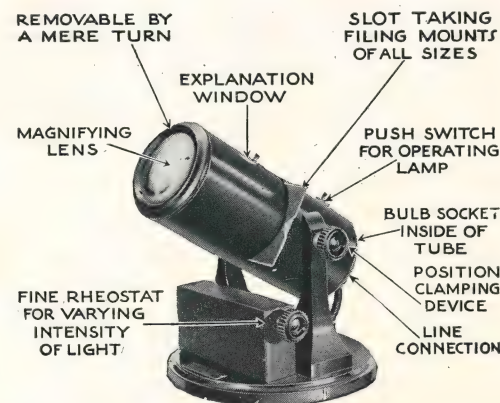
X-Ograph Film Registering Holder

This Film Registering Holder is designed for viewing X-Ograph Packets. After the packet has been exposed and developed, it is only necessary to place the films in the holder, one above the other. When so viewed, they produce wonderful contrast and detail.



Cat. No. 627. X-Ograph Film Registering Holder.

Columbia Magnifying Radioscope



The Columbia Magnifying Radioscope is designed for viewing dental radiographs. By having no light whatsoever in front of the X-ray negative, it brings out the finest detail and contrasts on the negative, which are of vital diagnostic value.

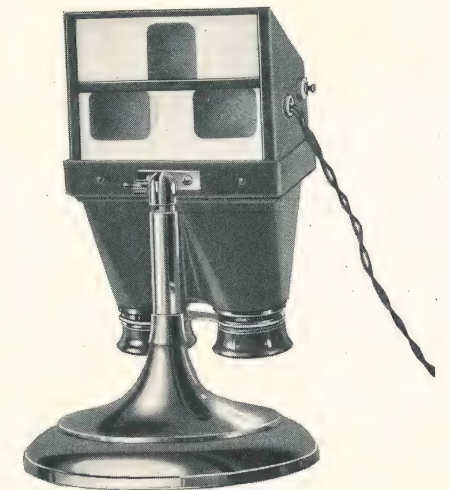
The supporting base of the instrument is $7\frac{1}{2}$ inches in diameter, and can be placed on a bracket table. The instrument may be obtained mounted on Gate Wall bracket, maximum extension 46 inches, or Floor Stand, base 8 inches in diameter, total height 40 inches.

Cat. No. 621. Columbia Magnifying Radioscope, with light intensity regulator.

Cat. No. 622. Gate Wall bracket for same, maximum extension 46 inches.

Cat. No. 623. Floor Stand, Base 8-in. diam., total height 40 inches.

Blum Binocular Dentascope



This scientific instrument magnifies and gives a stereoscopic effect to flat dental films. No extra exposure is necessary—the two films, made at one exposure, are mounted on a special card and placed in the scope.

The eye pieces can be focused as readily as a pair of field glasses.

The Blum Binocular dentascope may be used purely as an illuminator. Magnifying lens, not shown, is mounted in front of illuminator.

Genuine flashed opal glass is used to diffuse the light; friction joint assures ease in changing position of scope. It is finished in hard rubber—metal parts, nickel, base statuary bronze. The switch is on the reflector. To be connected to any 110-volt lamp socket.

Cat. No. 624. Binocular Dentascope complete with cord and socket.

X-Ray Reading Glass



Cat. No. 630. X-Ray Reading Glass, $3\frac{1}{2}$ -inch.

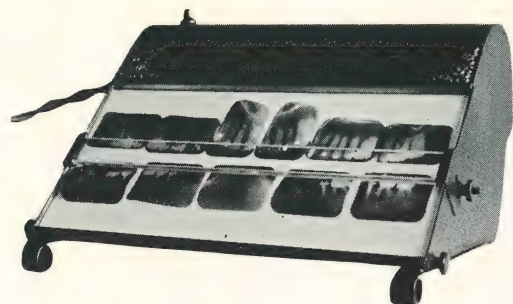
Cat. No. 632. X-Ray Reading Glass, $4\frac{1}{2}$ -inch.

Wunder Illuminator

This Illuminator is designed for viewing full set of dental films or collective groups by means of a special mask provided for this purpose. The illumination is indirect.

The films may be placed in the illuminator either mounted or unmounted. This permits the diagnosis of a set of Dental Films without the necessity of mounting before reading. This makes the mounting of the films after diagnosis easy, as the proper films can be selected easily and quickly. The cord and plug is arranged for connection to any 110-volt lamp socket.

Cat. No. 626. Wunder Dental Film Illuminator complete.



Lead Protective Screen

This Screen is covered with 1-16th-inch sheet lead, with frame finished in mahogany, grey weathered oak or natural quartered oak. The large lead glass window at top affords the operator a full view of the section of the X-Ray tube and patient, and, at the same time, is fully protected. The frame is heavily braced and mounted on substantial casters, so as to be easily moved to any desired position.

Height, 6 ft.; width, 32 in. Shipping weight, 130 lbs. approximately.



- Cat. No. 356. Lead Protective Screen, Floor type (mahogany).
- Cat. No. 356-A. Lead Protective Screen, Floor type (weathered oak).
- Cat. No. 356-B. Lead Protective Screen, Floor type (natural oak).
- Cat. No. 357. Lead Protective Screen, Hinged type.

Lead Glass Tube Shield

Cat. No. 393. Keleket Lead Glass Tube Shield, mounted on aluminum saddle.

Lead Glass

This glass is furnished in either American or Foreign make, both approved by U. S. Bureau of Standards and equivalent to 1-16 inch pure lead.

- Cat. No. 633. Size 5 x 7-in. Sheet Lead Glass.
- Cat. No. 634. Size 8 x 10-in. Sheet Lead Glass.
- Cat. No. 635. Size 10 x 12-in. Sheet Lead Glass.
- Cat. No. 636. Size 11 x 14-in. Sheet Lead Glass.
- Cat. No. 637. Size 12 x 16-in. Sheet Lead Glass.
- Cat. No. 638. Size 14 x 17-in. Sheet Lead Glass.

Where special sizes are ordered, the sheet will be cut from the nearest size to that specified, and the customer charged for the waste. Specify whether American or imported glass is desired.

Protective Sheet Lead

This is supplied in three different thicknesses and in any size desired. Sheet lead 1-16th-in. in thickness is ordinarily used for covering walls, lining booths, etc.

- Cat. No. 640. 1-32-in. thick; 2 lbs. per sq. foot.
- Cat. No. 641. 1-16-in. thick; 4 lbs. per sq. foot.
- Cat. No. 642. 1/4-in. thick; 8 lbs. per sq. foot.

X-Ray Lead Foil

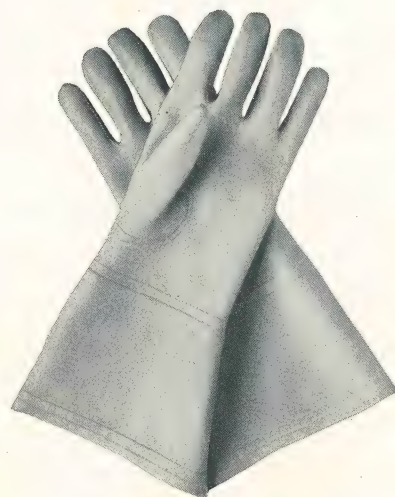
Supplied in two thicknesses for superficial treatment work, and of sufficient flexibility to be easily shaped. Different degrees of protection are obtained, according to the number of thicknesses employed.

- Cat. No. 643. X-Ray Lead Foil, 1 lb. per sq. ft., 12 in. wide.
- Cat. No. 644. X-Ray Lead Foil, 1/2 lb. per sq. ft., 15 in. wide.
- Cat. No. 645. 5-lb. Roll X-Ray Lead Foil.

X-Ray Protective Lead Rubber

Made of pure rubber, heavily impregnated with lead. Furnished in 36-in. width and 1-16th in. thick, weighing 11 1/2 pounds to the square foot.

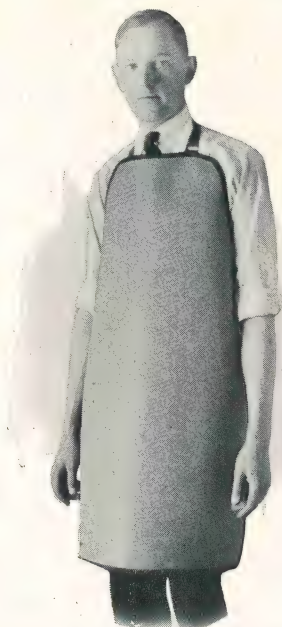
- Cat. No. 646. X-Ray Protective Lead Rubber (per sq. ft.)
- Cat. No. 647. X-Ray Protective Lead Rubber Blanket, size 18 x 30 in.



Engeln X-Ray Protective Gloves

These gloves are made of pure rubber, heavily impregnated with lead. They are guaranteed against coming apart at the seams, and are sufficiently flexible and pliable to allow the operator full use of hands. Supplied in 3 sizes: 13, 14, 15, corresponding to small, medium and large hands.

Cat. No. 650. Engeln X-Ray Protective Gloves, wrist length.
Cat. No. 651. Engeln X-Ray Protective Gauntlets.



Lead Rubber X-Ray Protective Apron

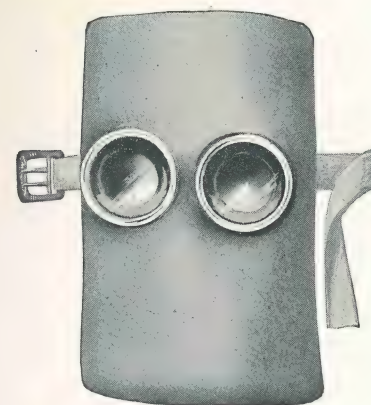
Made of extra heavy lead-rubber, taped around edges, with shoulder straps. Dimensions: length 36 in. width 24 in.

Cat. No. 653. Engeln Lead Rubber X-Ray Protective Apron.

Lead Rubber X-Ray Protective Apron (Pfahler Type)

Made of extra heavy rubber, with edges heavily bound. Equipped with leather shoulder straps and waist straps, so arranged as to take weight from neck.

Cat. No. 654. Lead Rubber X-Ray Protective Apron (Pfahler type).



X-Ray Protective Face Mask

This mask is made of pure rubber, heavily impregnated with lead, provided with lead glass windows (ground lenses) to insure a clear vision. Fully protects face and hair.

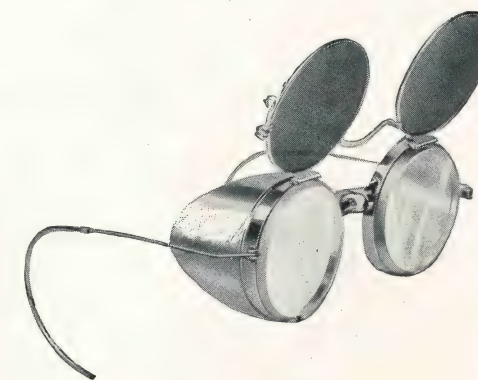
Cat. No. 655. X-Ray Protective Mask.

Combination X-Ray Spectacles

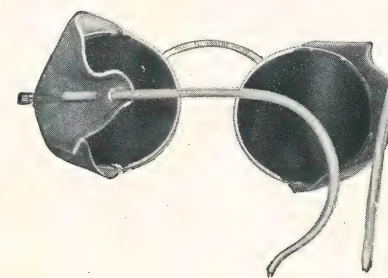
These scientific X-Ray spectacles should be worn for fifteen minutes previous to fluoroscopic appointments, then, when you enter the fluoroscopic room, the eyes are in condition to work, and, at the same time, the protection medium is in place. These can be supplied with lenses ground to your lens if necessary.

There is an additional charge for special lenses.

Cat. No. 656. Combination X-Ray Spectacles.



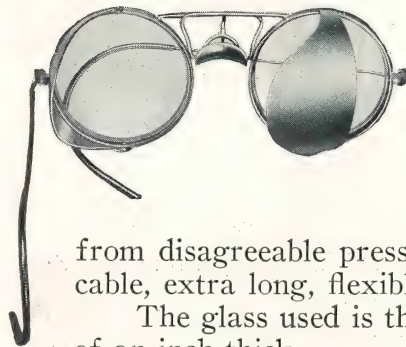
Novorent X-Ray Goggles



These goggles are equipped with the renowned NOVIWELD glass, and the type of frame and shields as shown are most suitably adapted for fluoroscopic work. It affords complete protection from light, is light and easy on the face and easily put on or removed. The temples are extra long and covered with fibre tubing.

Cat. No. 657. Novorent X-Ray Goggles.

Engeln X-Ray Goggles



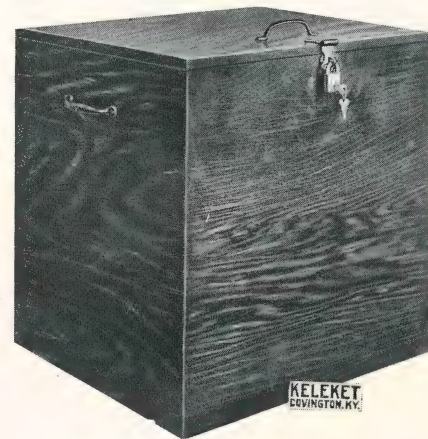
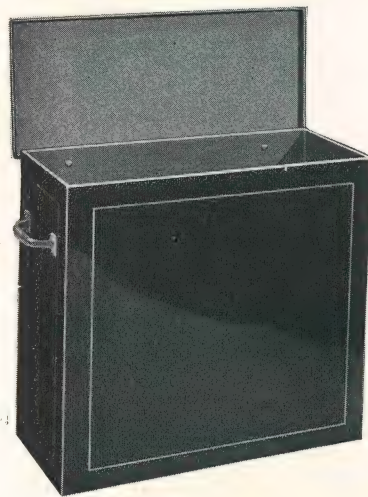
The frame proper is made of German silver and the solid side screens of solid silver, completely protecting the eyes from outside light. The bridge, or nose piece, is easily adjustable. The wide bearing surface of the nose rest guarantees freedom

from disagreeable pressure. The temples are of heavy twisted cable, extra long, flexible and comfortable.

The glass used is the best obtainable lead glass, one-quarter of an inch thick.

Cat. No. 658. Engeln X-Ray Protective Goggles.

Protective Plate Chests



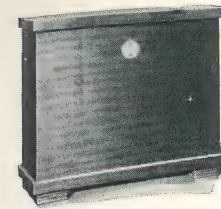
Type "B" Plate Chest is made of indestructible enameled steel, capacity, three dozen 14 x 17 plates.

Type "C" Plate Chest is made of quartered oak, lined with $\frac{1}{8}$ -in. lead; capacity, six dozen 14 x 17 plates.

Cat. No. 354. Plate Chest, All Steel, type "B."

Cat. No. 355. Plate Chest, Lead Lined, type "C," with casters.

Lead Lined Dental Film Chest



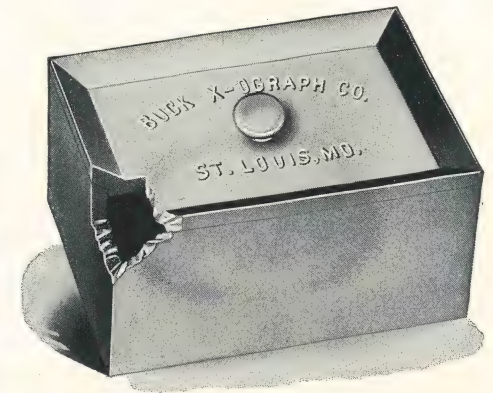
This box is made of mahogany, lined with heavy sheet lead. All joints are sealed and nail and screw holes soldered. The lead on the cover is pressed out to insure a snug fit.

Cat. No. 573. Dental Film Chest, 4-in. x 5-in.

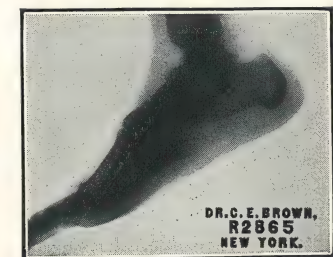
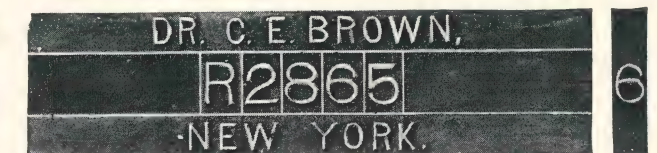
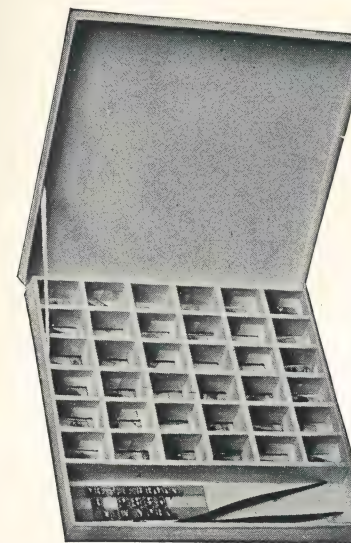
X-Ograph Safety Box

A solid metal box for holding dental films. Made from die cast molds with fitted cover. Outside dimensions, 3 in. wide, 4 in. long, $2\frac{1}{4}$ in. high, with $\frac{1}{4}$ in. walls.

Cat. No. 661. X-Ograph Safety Box.



Knight Plate Marker



This new Plate Marker consists of a Celluloid Container, lettered with Operators' names, if desired. Lead letters and figures fastened

on celluloid plates, can be placed into it. Any combination of letters and figures can be had for lettering and numbering X-Ray plates, for "land marks" in screen work and for printing radiographs. The combination can be changed easily and quickly.

When using plates in vertical position, the marker can be held on plate envelope with a hinge of adhesive tape.

The entire outfit is put up in a neat box, 6¼-in. x 6¼-in.

Cat. No. 664. Knight Plate Marker, full set, tweezers and box.

Cat. No. 665. Container 3 in. long, lettered; per letter.

Cat. No. 666. Container 3 in. long, not lettered.

Cat. No. 667. Letters and Figures.

Cat. No. 668. Tweezers.

Cat. No. 669. Box 6¼-in. x 6¼-in. for Outfit.

Note: No charge will be made for box if 100 characters are ordered.



Eastman Dental Film Safe

This convenient little metal cabinet has been designed to meet the needs of dentists. It may be attached to the wall, or the apparatus itself, furnishing a satisfactory means for keeping dental film packages from X-Rays without any undue trouble.

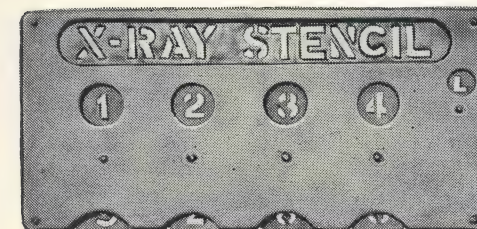
Protection is equivalent to 1-16th inch of pure lead.

Size — outside — 2⅞ x 1¾ x 4¾ inches.

Capacity — two separate compartments, each holding 2 dozen dental film packets.

Cat. No. 660. Eastman Dental Film Safe.

Engeln X-Ray Plate Stencil



The Engeln "Reliable" X-Ray Stencil is made of brass, nickel plated. Discs and stencils are clear cut. Eighteen ⅛-in. letters on a line, and arranged so that two lines can be cut.

Cat. No. 670. Engeln "Reliable" X-Ray Stencil.

Simplex Stencil



The Engeln "Simplex" Stencil is 4½ in. long and 9-16 in. wide. The smallest and most practical medium-priced plate marker on the market. Consists of a hand-cut (not stamped) lead stencil with ten figures and two letters, L and R. Mounted on aluminum. Thirteen ¼-in. or eighteen ⅛-in. letters can be cut on a line.

Cat. No. 671. Engeln "Simplex" X-Ray Stencil.

Lead Letters and Numbers

A B C D E F G 1 2 3 4 5 6 7 8

These characters are of solid lead, and made to be attached to the envelope by adhesive plaster, or other convenient method. Full alphabets and numbers from 0 to 9 can be supplied, or any single character or combination of characters, as desired.

Supplied in the following sizes: ¼-in., ⅜-in., ½-in. and ¾-in.

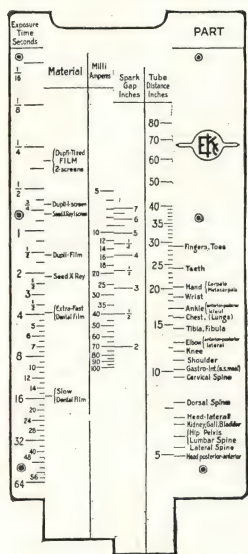
Cat. No. 672. Lead Letters or Figures ¼ in. high.

Cat. No. 673. Lead Letters or Figures ⅜ in. high.

Cat. No. 674. Lead Letters or Figures ½ in. high.

Cat. No. 675. Lead Letters or Figures ¾ in. high.

Cat. No. 676. Set of Figures 0 to 9 and Letters L and R, furnished in ¼-in., ⅜-in. or ½-in. size.



Eastman Exposure Rule

A guide to correct exposure.

This exposure rule is a material step towards a standardization of radiographic technique. It is based upon the results of scientific study in the Research Laboratory of the Eastman Kodak Company, and both its utility and its essential accuracy have been verified in the practice of prominent Roentgenologists.

Cat. No. 680. Eastman Exposure Rule.



Dr. Hampson's Roentgen Radiometer

This instrument is used in connection with the well-known pastilles of Sabouraud. The outfit is put up in a neat leather case, and includes ten half pastilles, a pair of forceps for handling them and a test gauge. This gauge consists of a disk showing twenty-five carefully graded tints, running from the exact color of a new pastille to that of one which has passed its usefulness. This disc may be rotated in such a manner that, if the pastille be placed in the upper opening (see illustration), the sample tint will show immediately below, and the exact shade be determined. The pastille is placed in this opening before the exposure to the X-Ray and the tint determined; then, after exposure, it is tested again, and, if it has changed four divisions, a full epilation dose has been given. Full directions accompany each Radiometer.

Cat. No. 682. Hampson's Radiometer.

Sabouraud Pastilles

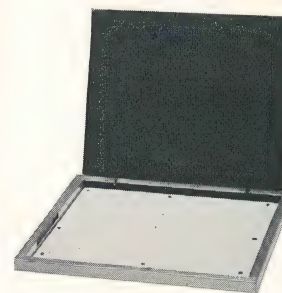
Cat. No. 683. Book with Standard B Tint.
Cat. No. 684. Sheet of twenty-five.
Cat. No. 684-B. Single Pastilles.

Benoist Penetrometer

The use of this device will show cause of success or failure of the radiograph. The penetrometer is so small that it can be readily placed in the corner of a plate and the penetration of the tube accurately determined.

Cat. No. 685. Benoist Penetrometer.

Patterson Intensifying Screens



These screens are fast, and give a good, contrasty negative that is free from grain.

Patterson Screens are not only correct chemically, but also in mechanical structure. They have an absolutely smooth surface and will not deteriorate under any conditions of heat, moisture or the bombardment of the X-Rays. Neither do the screens need any seasoning or exposure to daylight at frequent intervals.

For single screen work with plates or films, the Patterson Standard is recognized to produce perfect results throughout the X-Ray field.

The special or Thin Screen may be used with any Standard Screen that you may now have, if in good condition.

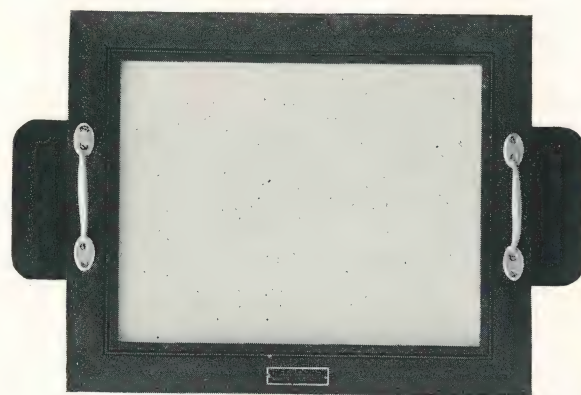
This screen was developed to work in conjunction with the Standard Screen in Double Screen Technique, and is the screen that goes between the film and the tube.

The Patterson Combination, consisting of the Patterson Standard and the Patterson Special Screens, are used with the duplitized X-Ray films, and the Combination gives the maximum detail and contrast, and also reduces the time of single screen exposure by fifty per cent.

Always use Double Intensifying Screens with duplitized X-Ray films.

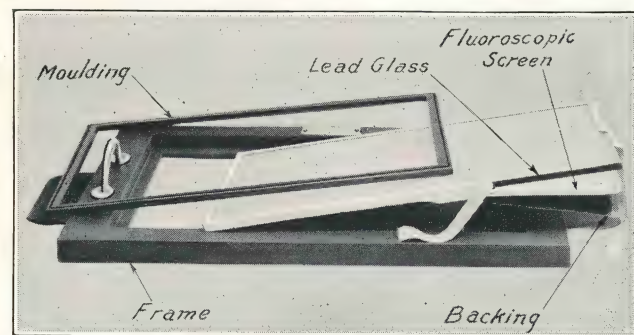
Cat. No. 690.	5-in.x 7-in.	} Patterson Special Intensifying Screen.
Cat. No. 691.	8-in.x10-in.	
Cat. No. 692.	10-in.x12-in.	
Cat. No. 693.	11-in.x14-in.	
Cat. No. 694.	14-in.x17-in.	
		} Patterson Standard Intensifying Screen.
		} Patterson Combination: One Special, One Standard.
		} Combination Screens with Keleket Cassettes.
		(Each screen made in sizes noted.)

Patterson Fluoroscopic Screens



The fluorescent salt from which these screens are manufactured is absolutely stable. It is not affected by heat or dampness, nor is it affected by continuous bombardment by X-Rays. The color emitted by the screen is the nearest approach that has yet been made to giving the long-desired black and white contrasts.

The screen has no visible grain. It has *no Phosphorescent Lag*, and, consequently, gives sharp definition of moving parts.



- | | | |
|---------------|---------------|---|
| Cat. No. 697. | 5-in.x 7-in. | } Screen only, and with screen mounted. |
| Cat. No. 698. | 8-in.x10-in. | |
| Cat. No. 699. | 10-in.x12-in. | |
| Cat. No. 700. | 11-in.x14-in. | |
| Cat. No. 701. | 12-in.x16-in. | |
| Cat. No. 702. | 14-in.x17-in. | |
| Cat. No. 703. | 17-in.x17-in. | |

Edwards Intensifying Screens

- | | | |
|---------------|-----------------|--|
| Cat. No. 706. | 5 -in.x 7 -in. | } Edwards Thin Type Intensifying Screen. |
| Cat. No. 707. | 6½-in.x 8½-in. | |
| Cat. No. 708. | 8 -in.x10 -in. | } Edwards Standard Intensifying Screen. |
| Cat. No. 709. | 10 -in.x12 -in. | |
| Cat. No. 710. | 11 -in.x14 -in. | } Edwards Combination: one Thin, one Standard. |
| Cat. No. 711. | 14 -in.x17 -in. | |
| | | } Combination Screens with Edwards Cassette. |

Kodaloid

Kodaloid is a thin, transparent, flexible substance similar to film base, and is provided for the protection of Intensifying Screens when mounting. This prevents dust particles from reaching the surface of the screen.

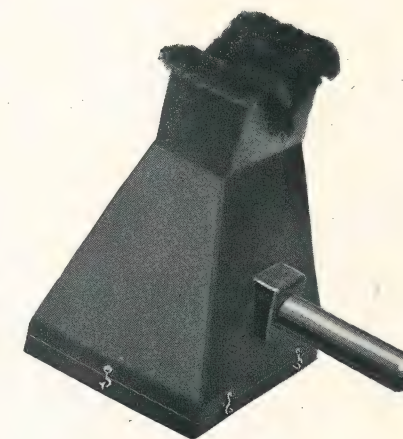
- | | | |
|---------------|--------------------------|------------------|
| Cat. No. 714. | Kodaloid No. 1 (thin). | Per square foot. |
| Cat. No. 715. | Kodaloid No. 2 (medium). | Per square foot. |
| Cat. No. 716. | Kodaloid No. 3 (heavy). | Per square foot. |

Patterson Hand Fluoroscope

The PATTERSON Hand Fluoroscope illustrated is made in two sizes, 5-in. x 7-in. and 8-in. x 10-in. The hood is made of a light wood and the workmanship is of the best. It is finished with a fine black oil-rubbed polish. The eyepiece is carefully shaped so that the fur edge will prevent the exterior light from interfering with the user's view. Both sizes are furnished with the best lead plate glass unless otherwise ordered, and the lead glass, screen and backing are fastened together in a unit, as described under the rectangular mountings, so as to prevent the dust from accumulating on the surface of the screen.

The workmanship on both the Rectangular Frames and Hand Fluoroscope is of the very best, and either piece of apparatus presents a handsome appearance.

- | | | |
|---------------|----------------|-----------------------------|
| Cat. No. 718. | 5-in. x 7-in. | Patterson Hand Fluoroscope. |
| Cat. No. 719. | 8-in. x 10-in. | Patterson Hand Fluoroscope. |

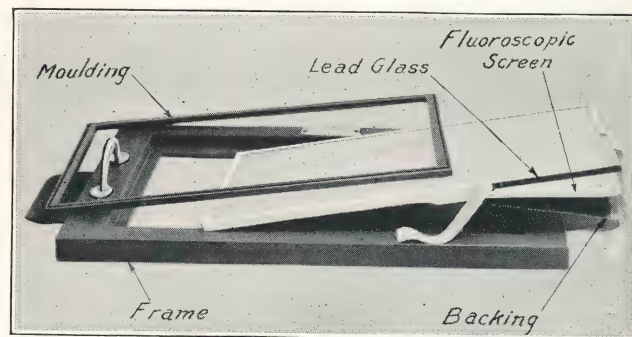


Patterson Fluoroscopic Screens



The fluorescent salt from which these screens are manufactured is absolutely stable. It is not affected by heat or dampness, nor is it affected by continuous bombardment by X-Rays. The color emitted by the screen is the nearest approach that has yet been made to giving the long-desired black and white contrasts.

The screen has no visible grain. It has *no Phosphorescent Lag*, and, consequently, gives sharp definition of moving parts.



- | | | | |
|---------------|---------------|---|---------------------------------------|
| Cat. No. 697. | 5-in.x 7-in. | } | Screen only, and with screen mounted. |
| Cat. No. 698. | 8-in.x10-in. | | |
| Cat. No. 699. | 10-in.x12-in. | | |
| Cat. No. 700. | 11-in.x14-in. | | |
| Cat. No. 701. | 12-in.x16-in. | | |
| Cat. No. 702. | 14-in.x17-in. | | |
| Cat. No. 703. | 17-in.x17-in. | | |

Edwards Intensifying Screens

- | | | | |
|---------------|-----------------|---|--|
| Cat. No. 706. | 5 -in.x 7 -in. | } | Edwards Thin Type Intensifying Screen. |
| Cat. No. 707. | 6½-in.x 8½-in. | | Edwards Standard Intensifying Screen. |
| Cat. No. 708. | 8 -in.x10 -in. | } | Edwards Combination: one Thin, |
| Cat. No. 709. | 10 -in.x12 -in. | | one Standard. |
| Cat. No. 710. | 11 -in.x14 -in. | } | Combination Screens with Edwards |
| Cat. No. 711. | 14 -in.x17 -in. | | Cassette. |

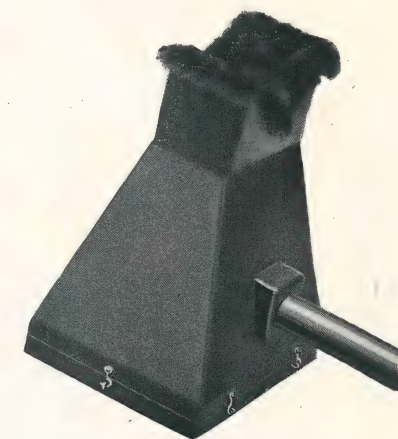
Kodaloid

Kodaloid is a thin, transparent, flexible substance similar to film base, and is provided for the protection of Intensifying Screens when mounting. This prevents dust particles from reaching the surface of the screen.

- | | | |
|---------------|--------------------------|------------------|
| Cat. No. 714. | Kodaloid No. 1 (thin). | Per square foot. |
| Cat. No. 715. | Kodaloid No. 2 (medium). | Per square foot. |
| Cat. No. 716. | Kodaloid No. 3 (heavy). | Per square foot. |

Patterson Hand Fluoroscope

The PATTERSON Hand Fluoroscope illustrated is made in two sizes, 5-in. x 7-in. and 8-in. x 10-in. The hood is made of a light wood and the workmanship is of the best. It is finished with a fine black oil-rubbed polish. The eye-piece is carefully shaped so that the fur edge will prevent the exterior light from interfering with the user's view. Both sizes are furnished with the best lead plate glass unless otherwise ordered, and the lead glass, screen and backing are fastened together in a unit, as described under the rectangular mountings, so as to prevent the dust from accumulating on the surface of the screen.



The workmanship on both the Rectangular Frames and Hand Fluoroscope is of the very best, and either piece of apparatus presents a handsome appearance.

- | | | |
|---------------|----------------|-----------------------------|
| Cat. No. 718. | 5-in. x 7-in. | Patterson Hand Fluoroscope. |
| Cat. No. 719. | 8-in. x 10-in. | Patterson Hand Fluoroscope. |

Patterson Operating Fluoroscope

This piece of apparatus was developed by a French Roentgenologist and came into active use during the World War. It finds a place in the modern laboratory where the operating surgeon desires to work with the assistance of the X-Ray and have both hands free.

The function of the apparatus is readily shown in the two illustrations.

The Fluoroscope is so made that by adjusting the elastic bands it can be held easily on the head. The eye-piece is fitted with soft material that conforms to the eyes and nose, closing out all external light.

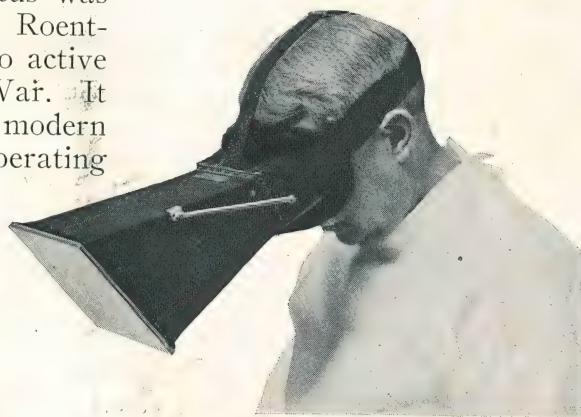


Fig. 1.

If the operator desires not to use the screen it can be tilted back against the head as shown in Fig. 2. There are two light springs, one on either side, that hold the box against the head when in this position.

When the box is tilted back against the head a piece of ruby glass automatically falls down in front of the eye-piece, protecting the accommodation of the eyes.

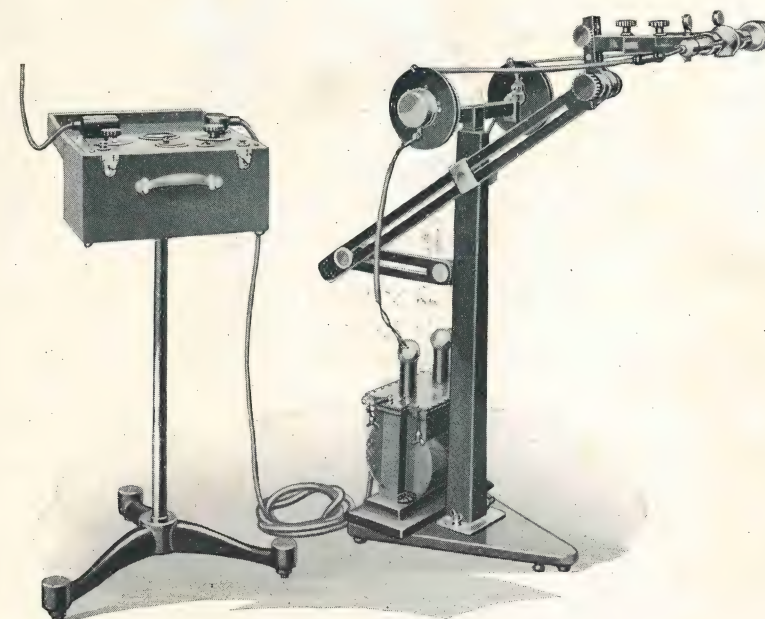
This Fluoroscope is equipped with a 5-in. x 7-in. Patterson Fluoroscopic Screen and protected by the best quality polished and ground lead glass.



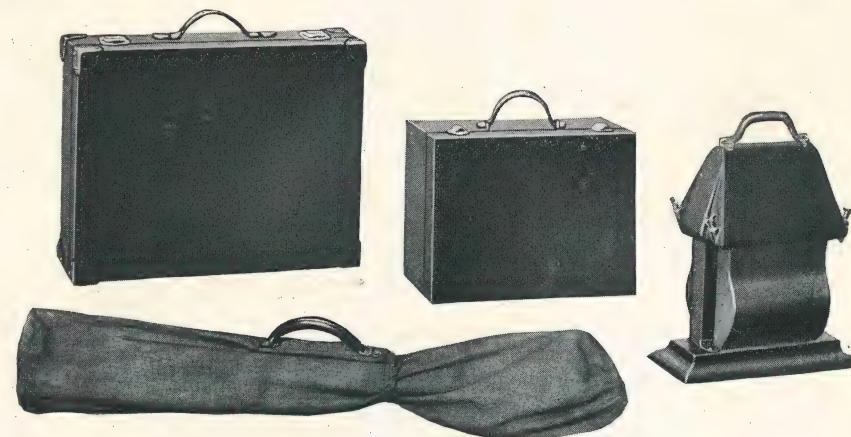
Fig. 2.

Cat. No. 721. Patterson Operating Fluoroscope with 5-in. x 7-in. screen.

G. E. Portable X-Ray Unit



The Coolidge Portable X-Ray Outfit has been developed to meet the long-standing need of the Medical Profession for an X-Ray apparatus easy of transportation and designed for operation in the patient's home.



This want also extends to hospitals where there is constant use for a portable outfit which can conveniently be moved from one ward or room to another and easily placed at any bedside.

This compact unit occupies little space, is easily operated, conveniently handled and is quiet in operation. Attachable to any lamp socket, it can be operated at 10 milliamperes at 60,000 volts, and can do all classes of radiographic work, with the exception of gastrointestinal.

For transportation of this Unit, care has been taken that each single piece of apparatus can be easily carried by one man. All four pieces fit conveniently into the tonneau of the smallest car. The complete outfit, when packed, weighs 125 pounds, divided as follows: Transformer, 45 pounds; instrument box, 33 pounds; suit case, 36 pounds; tube stand, 11 pounds.

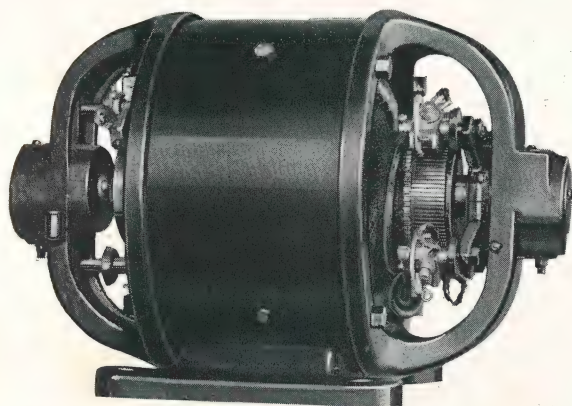
- Cat. No. 750. Coolidge Portable X-Ray Outfit; 110 volt, A. C.
Cat. No. 751. Coolidge Portable X-Ray Outfit; 110 volt, D. C.
Cat. No. 752. Stand for Instrument Box.

Transformer Oil

- Cat. No. 760. 1 Gal. Can H. T. Transformer Oil.
Cat. No. 761. 2 Gal. Can H. T. Transformer Oil.
Cat. No. 762. 5 Gal. Can H. T. Transformer Oil.

Overload Relay Switch

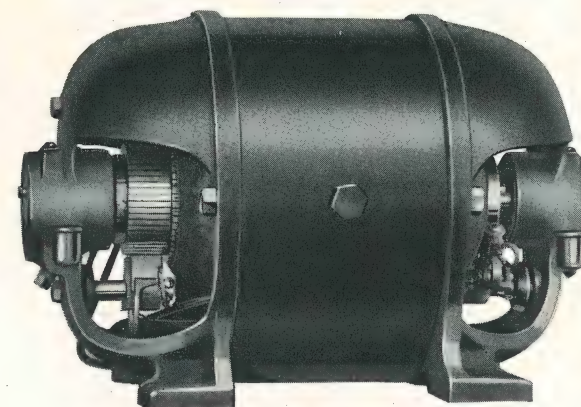
- Cat. No. 746. K-K Overload Relay Switch.



Rotary Converters

Where the direct current only is available in connection with X-Ray installations, a rotary converter is necessary to convert the direct current to alternating current.

- Cat. No. 754. Engeln Rotary Converter to operate on 110 volts, D. C., delivers 76 volts, A. C., as used on all makes of 3-in. gap, 10 M. A. Dental Units.
Cat. No. 755. Great Lakes Rotary Converter to operate on 110 volts, D. C., delivers 76 volts A. C., has sufficient capacity for all makes of bedside units at a 5-in. gap, 30 M. A.
Cat. No. 756. 110 volt D. C. Starting Box for same (enclosed type).
Cat. No. 757. Great Lakes Rotary Converter to operate on 220 volts, D. C., delivers 156 volts A. C., has sufficient capacity for all makes of bedside units at a 5-in. gap, 30 M. A.
Cat. No. 758. 220 volt D. C. Starting Box for same (enclosed type).
Cat. No. 759. Cutler-Hammer 3 H. P. Starting Box.



Wire and Connecting Cables

- Cat. No. 763. No. 10 Soft Drawn Bare Copper wire. Per foot.
Cat. No. 764. No. 12 Single R. C. Wire. Per foot.
Cat. No. 765. No. 12 Duplex R. C. Wire. Per foot.
Cat. No. 766. No. 6-2 Wire Flexible Connecting Cable with lugs. Per foot.
Cat. No. 767. No. 8-2 Wire Flexible Connecting Cable with lugs. Per foot.
Cat. No. 768. No. 12-2 Wire Flexible Connecting Cable with lugs.

X-Ray Plates and Films

Seed X-Ray Plates

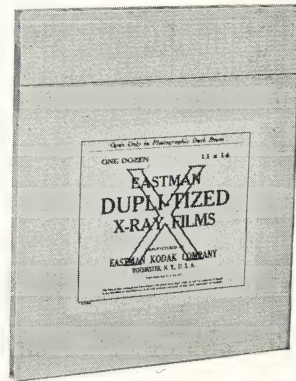


- | | | |
|---------------|---------------|---------------------------|
| Cat. No. 770. | 5 x 7 | Per Doz. |
| Cat. No. 771. | 5 x 7 | Per Case Doz. in Case. 20 |
| Cat. No. 772. | 6 1/2 x 8 1/2 | Per Doz. |
| Cat. No. 773. | 6 1/2 x 8 1/2 | Per Case Doz. in Case. 12 |
| Cat. No. 774. | 8 x 10 | Per Doz. |
| Cat. No. 775. | 8 x 10 | Per Case Doz. in Case. 10 |
| Cat. No. 776. | 10 x 12 | Per Doz. |
| Cat. No. 777. | 10 x 12 | Per Case Doz. in Case. 3 |
| Cat. No. 778. | 11 x 14 | Per Doz. |
| Cat. No. 779. | 11 x 14 | Per Case Doz. in Case. 3 |
| Cat. No. 780. | 14 x 17 | Per Doz. |
| Cat. No. 781. | 14 x 17 | Per Case Doz. in Case. 2 |

Either with 2 sets of envelopes or 12 sets of envelopes.

Eastman Duplitzed Films

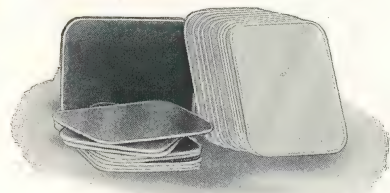
	Size	Doz. in Case
Cat. No. 785.	5 x 7 Per Dozen	
Cat. No. 786.	5 x 7 Per Case	20
Cat. No. 787.	6½ x 8½ Per Dozen	
Cat. No. 788.	6½ x 8½ Per Case	12
Cat. No. 789.	8 x 10 Per Dozen	
Cat. No. 790.	8 x 10 Per Case	10
Cat. No. 791.	10 x 12 Per Dozen	
Cat. No. 792.	10 x 12 Per Case	3
Cat. No. 793.	11 x 14 Per Dozen	
Cat. No. 794.	11 x 14 Per Case	3
Cat. No. 795.	14 x 17 Per Dozen	
Cat. No. 796.	14 x 17 Per Case	2



Eastman Dental Films

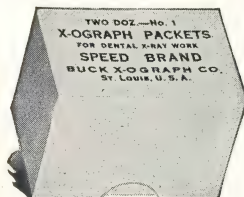
Cat. No. 800.	No. 1, Size 1¼ x 1⅝ in. Regular.	Per Doz. Prs.
Cat. No. 801.	No. 1, Size 1¼ x 1⅝ in. Fast.	Per Doz. Prs.
Cat. No. 802.	No. 1-A, Size 1½ x 2¼ in. Regular.	Per Doz. Prs.
Cat. No. 803.	No. 1-A, Size 1½ x 2¼ in. Fast.	Per Doz. Prs.
Cat. No. 804.	No. 1-B, Size 1½ x 2 in. Regular.	Per Doz. Prs.
Cat. No. 805.	No. 1-B, Size 1½ x 2 in. Fast.	Per Doz. Prs.
Cat. No. 806.	No. 2, Size 2¼ x 3 in. Regular.	Per Doz. Prs.
Cat. No. 807.	No. 2, Size 2¼ x 3 in. Fast.	Per Doz. Prs.

Buck's Dental X-Ograph Packet

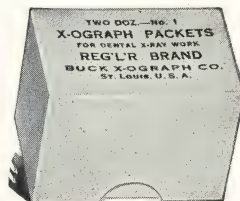


X-Ograph Dental Film Packets, the extremely thin, impressionable metal-backed packet, possess every desirable convenience, as well as quality. Its bright metallic appearance will appeal to your patients like a sanitary surgical instrument.

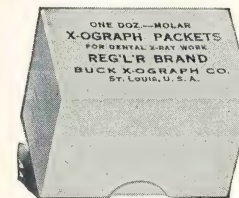
The No. 1 Regular (Slow) Brand possesses wonderful latitude, great contrast and brilliancy, and is very fine grained. This brand should be given preference wherever the power of your equipment will permit. Each box contains two dozen packets, size 1¼ x 1⅝ inches.



The No. 1 Speed (Fast) Brand requires about one-fourth the exposure necessary for the No. 1 Regular Brand. This additional speed is very desirable for use with machines working on 110-volt current. Each box contains two dozen packets, size 1¼ x 1⅝ inches.

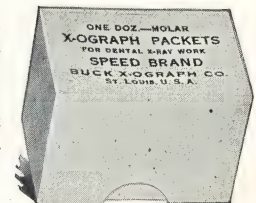


The New X-Ograph Molar Packet is of small size, intended for raying a single tooth only. It has a right-angle projection which rests on the crown of the tooth and acts as a guide to hold the packet in proper position—a great convenience in raying the molar teeth and for use with nervous patients.



The Molar Packet, Regular Brand, contains the same film and possesses the same quality and convenience as the No. 1 Regular, the only difference being in the size and the right-angle guide attached to the packet. Each box contains one dozen packets, size 1 x 1¼ inches.

The Molar Packet, Speed Brand, compares in quality, etc., with the No. 1 Speed. Although intended for machines working on 110-volt current, this packet will be found very desirable with the heavier type machines when raying the upper molar teeth.



- Cat. No. 810. Buck X-Ograph Packet No. 1, Size 1¼ x 1⅝ in. Slow, 2 dozen packets to box. Per Box.
- Cat. No. 811. Buck X-Ograph Packet No. 1, Size 1¼ x 1⅝ in. Fast, 2 dozen packets to box. Per Box.
- Cat. No. 812. Buck X-Ograph Packet, "Molar," size 1 x 1¼ in. Slow, 1 dozen packets to box. Per Box.
- Cat. No. 813. Buck X-Ograph Packet, "Molar," size 1 x 1¼ in. Fast, 1 dozen packets to box. Per Box.

Filing Envelopes

(Extra Heavy)

These Extra Heavy Envelopes are made of a tough, extra heavy weight jute stock, and, where the plates require much handling, will last indefinitely without tearing or edges folding over.

- Cat. No. 830. For 5 x 7 Negatives. Per 100.
- Cat. No. 831. For 6½ x 8½ Negatives. Per 100.
- Cat. No. 832. For 8 x 10 Negatives. Per 100.
- Cat. No. 833. For 10 x 12 Negatives. Per 100.
- Cat. No. 834. For 11 x 14 Negatives. Per 100.
- Cat. No. 835. For 14 x 17 Negatives. Per 100.

Orange and Black Exposure Envelopes

Furnished in sets of one each.

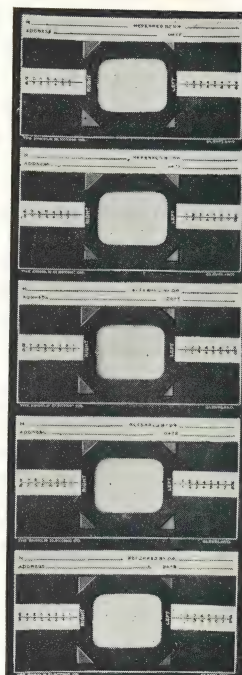
Cat. No. 823.	For 5 x 7	Negatives.	Per 100.
Cat. No. 817.	For 6½ x 8½	Negatives.	Per Dozen Sets.
Cat. No. 818.	For 8 x 10	Negatives.	Per Dozen Sets.
Cat. No. 819.	For 10 x 12	Negatives.	Per Dozen Sets.
Cat. No. 820.	For 11 x 14	Negatives.	Per Dozen Sets.
Cat. No. 821.	For 14 x 17	Negatives.	Per Dozen Sets.

Filing Envelopes

(Negative Preservers)

These envelopes are made of medium-weight manila paper with printed form on outside, the same as the orange exposure envelopes.

Cat. No. 823.	For 4 x 7	Negatives.	Per 100.
Cat. No. 824.	For 6½ x 8½	Negatives.	Per 100.
Cat. No. 825.	For 8 x 10	Negatives.	Per 100.
Cat. No. 826.	For 10 x 12	Negatives.	Per 100.
Cat. No. 827.	For 11 x 14	Negatives.	Per 100.
Cat. No. 828.	For 14 x 17	Negatives.	Per 100.



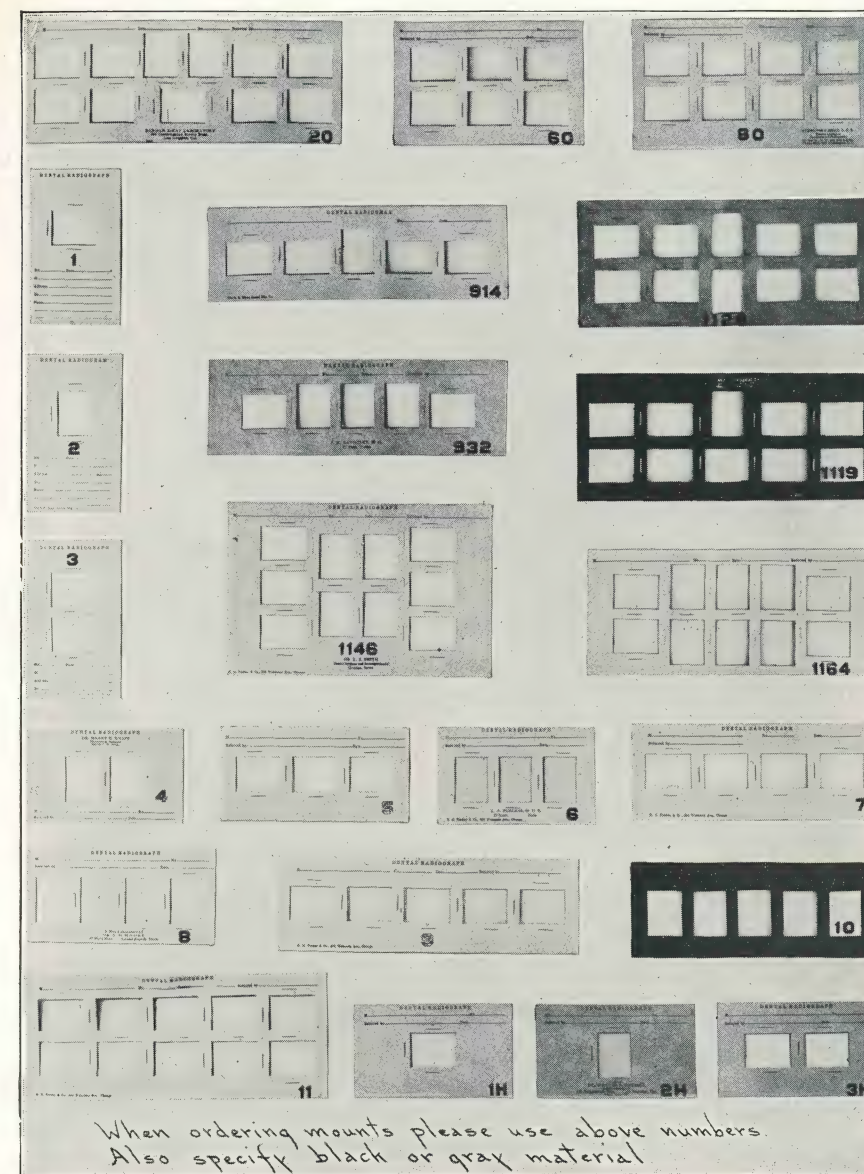
Engeln Dental Film Mounts

These Film Mounts are printed so that reference data may be written with pencil or black ink. They are furnished either singly or five on a sheet, perforated so that they may be separated in groups as desired. They can be folded to file in cabinet of same size as single mounts.

The films are mounted horizontally, and the dull celluloid window increases the detail of the film and eliminates foreign objects when viewing. When furnished imprinted in strips of five, the imprint is repeated on each mount.

Cat. No. 837.	100 Single Mounts	} Obtainable without Imprint. Obtainable Imprinted Singly. Obtainable Imprinted 5 on Sheet
Cat. No. 838.	200 Single Mounts	
Cat. No. 839.	500 Single Mounts	
Cat. No. 840.	1000 Single Mounts	

Dental Film Mounts "Standard" and "Special"



These Dental Film Mounts are made of Black or Grey cardboard with celluloid windows. All mounts listed are for Films 1¼ x 1½ inches. The illustration shows both the Standard and Special Mounts. Order by Catalog Number ONLY. This will avoid errors.

"STANDARD" Mounts

Cat. No.	No.	Size of Mount	No. of Films	Position of Films	Cat. No.	No.	Size of Mount	No. of Films	Position of Films
Cat. No. 843.	1	3 x 5	1	H	Cat. No. 850.	5	6 x 3	3	H
Cat. No. 844.	1H	3 x 5	1	H	Cat. No. 851.	6	5 x 3	3	V
Cat. No. 845.	2	3 x 5	1	V	Cat. No. 852.	7	7 1/2 x 3	4	H
Cat. No. 846.	2H	3 x 5	1	V	Cat. No. 853.	8	6 x 3	4	V
Cat. No. 847.	3	3 x 5	2	H	Cat. No. 854.	9	9 3/8 x 3	5	H
Cat. No. 848.	3H	3 x 5	2	H	Cat. No. 855.	10	7 1/2 x 3	5	V
Cat. No. 849.	4	5 x 3	2	V	Cat. No. 856.	11	9 3/8 x 4	10	H

"SPECIAL" Mounts

Cat. No. 859.	No. 914, for 5 Films.
Cat. No. 860.	No. 932, for 5 Films.
Cat. No. 861.	No. 60, for 6 Films.
Cat. No. 862.	No. 80, for 8 Films.
Cat. No. 863.	No. 1119, for 10 Films.
Cat. No. 864.	No. 1128, for 10 Films.
Cat. No. 865.	No. 1146, for 10 Films.
Cat. No. 866.	No. 1164, for 10 Films.
Cat. No. 867.	No. 20, for 11 Films.

Die For Cutting Film Mounts

This Die is designed for cutting out openings in cardboard paper for the making of Film Mounts, and is supplied for any size films. Specify size of film used when ordering.

Cat. No. 887. Die for Cutting Film Mounts.

"PHILMOUNTS" (All Celluloid)

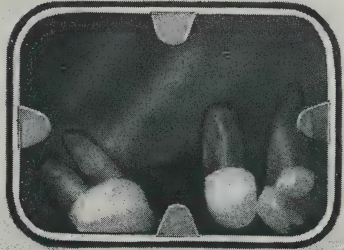
M _____

CASE NO. _____

ADDRESS _____

DATE _____

(View only by strong transmitted light)



LINGUAL ASPECT

REFERRED BY _____

DR. FILM MOUNT
123 YOUR STREET
AND TOWN

TELEPHONE, CENTRAL 1234

"PHILMOUNT" SIZE NO. 1 PATENTED. SWEHARTON & SALLEY, INC. NEW YORK

"Philmounts" are made of celluloid, with lines and printing in black. The dull finish furnishes a good foundation for writing data with ink or pencil.

Cat. No.	No.	Mount Size	No. of Films	Size of Films	Position of Films
Cat. No. 870.	1	4 1/2 x 2 3/4	1	1 5/8 x 1 1/4	Horizontal
Cat. No. 871.	11	2 3/4 x 4 1/2	1	"	Vertical
Cat. No. 872.	12	5 x 3	2	"	Vertical
Cat. No. 873.	112	5 x 3	2	"	Horizontal
Cat. No. 874.	12S	6 5/8 x 2 3/4	2	"	Horizontal (Stereo.)
Cat. No. 875.	13	5 x 3	3	"	Vertical
Cat. No. 876.	113	6 x 3	3	"	Horizontal
Cat. No. 878.	114	5 3/4 x 3 7/8	4	"	Vertical
Cat. No. 877.	14	5 3/4 x 3 7/8	4	"	Horizontal
Cat. No. 879.	15	7 3/4 x 3	5	"	Vertical
Cat. No. 880.	115	10 x 3	5	"	Horizontal
Cat. No. 881.	16	9 x 3	6	"	Vertical
Cat. No. 882.	116	6 x 4 1/2	6	"	Horizontal
Cat. No. 883.	206	6 x 5	6	"	2 Ver. and 4 Hor.
Cat. No. 884.	18	8 x 5	8	"	Vertical
Cat. No. 885.	118	8 x 4 1/2	8	"	Horizontal
Cat. No. 886.	408	7 x 5	8	"	4 Ver. and 4 Hor.
Cat. No. 1204.	110	10 x 4 1/2	10	"	Horizontal
Cat. No. 1205.	110A	10 x 5	10	"	Horizontal with areas
Cat. No. 1206.	210	9 x 4 1/2	10	"	2 Ver. and 8 Hor.
Cat. No. 1207.	210A	9 x 5	10	"	2 Ver. 8 Hor. with areas
Cat. No. 1208.	1110	8 x 5	10	"	Vertical
Cat. No. 1209.	610	9 x 4 1/2	10	"	6 Ver. and 4 Hor.
Cat. No. 1210.	211	10 1/2 x 4 1/2	11	"	2 Ver. and 9 Hor.
Cat. No. 1211.	211A	10 1/2 x 5	11	"	2 Ver. 9 Hor. with areas
Cat. No. 1212.	311	10 1/2 x 4 1/2	11	"	3 Ver. and 8 Hor.
Cat. No. 1213.	311A	10 1/2 x 5	11	"	3 Ver. 8 Hor. with areas
Cat. No. 1214.	711	9 1/2 x 5	11	"	7 Ver. and 4 Hor.
Cat. No. 1215.	212	11 1/2 x 4 1/2	12	"	Horizontal
Cat. No. 1216.	212A	11 1/2 x 5	12	"	Horizontal with areas
Cat. No. 1217.	412	10 1/2 x 4 1/2	12	"	4 Ver. and 8 Hor.
Cat. No. 1218.	412A	10 1/2 x 5	12	"	4 Ver. 8 Hor. with areas
Cat. No. 1219.	1112	9 x 5	12	"	Vertical
Cat. No. 1220.	214	12 1/2 x 4 1/2	14	"	2 Ver. and 12 Hor.
Cat. No. 1221.	614	12 x 4 1/2	14	"	6 Ver. and 8 Hor.
Cat. No. 1222.	1014	13 x 4 1/2	14	"	Horizontal
Cat. No. 1223.	1114	10 1/2 x 5	14	"	Vertical
Cat. No. 1224.	1A	5 x 3	1	2 1/4 x 1 1/2	Horizontal
Cat. No. 1225.	11A	3 x 5	1	"	Vertical
Cat. No. 1226.	12A	5 3/4 x 3 7/8	2	"	Vertical

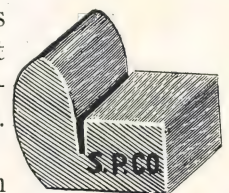
Shafer-Pierce Dental Film Holder

This Dental Film Holder is made of wood, and is inexpensive, so that one may be used for each patient and then thrown away. It may, however, be sterilized in a cold solution made from Germicidal Disk No. 2, P. D. Co., or by boiling.

This block allows the patient to close the teeth and relaxes the tissue. This prevents the irritation of the soft palate by the film where the patient is required to hold the mouth open to retain the film in place with the finger or thumb.

Cat. No. 888. Shafer-Pierce Dental Film Holders. Box of 10.

Cat. No. 889. Shafer-Pierce Dental Film Holders. Box of 100.



Victor-Leach Dental Film Holder

The patient holds the film in position in the mouth by grasping the handle part of the holder, and the operator is enabled, at a glance, to note the angle of the film and its proximity to the teeth by the angle of the handle. When these holders are used, the patient will not gag.

Two holders constitute the set. The small holder is designed for the upper six and the lower eight anterior teeth. The large holder is designed for the posterior areas of the mouth.

Cat. No. 890. Dental Film Holder, anterior.
Cat. No. 891. Dental Film Holder, posterior.



Engeln Dental X-Ray Chair

This Dental Chair is scientifically designed for keeping the patient in proper position for doing X-Ray work. Its simplicity, mechanical refinements and workmanship combine to make it a product of unusual merit.

Our patented raising and lowering device is purely mechanical. No oil is used, therefore no oil to leak out. A pressure of the foot raises the chair, while the hand lever controls the lowering, revolving and locking movements.

For convenience, the lever may be placed on either side of the chair.

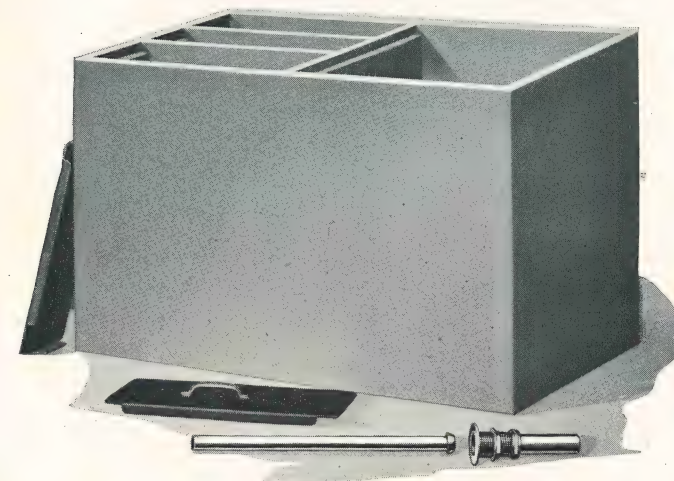
Furnished in maroon and dental grey.



Cat. No. 895. Engeln Dental X-Ray Chair—Maroon.
Cat. No. 896. Engeln Dental X-Ray Chair—Grey.

Dark Room Equipment

Engeln Stone Developing Tank (Four Compartment)



This compact, four-compartment Developing Tank has capacity for developing all sizes of X-Ray plates or films.

It is made of Alberene Stone, which is clean, non-corrosive and resists acid and alkali. The bottom and side walls are $1\frac{1}{4}$ in. thick; main partition 2 in. and compartment partitions of 1-in. stone.

The outside dimensions of the tank are: Length, $34\frac{1}{2}$ in.; width, $16\frac{1}{2}$ in.; depth, $25\frac{1}{4}$ in.

Furnished complete with overflow pipe and connections and two dust-proof covers for compartment.

Cat. No. 900. Engeln Four-Compartment Stone Developing Tank.

Engeln Stone Developing Tank (Four Compartment, Bowen Type)

The construction of this tank is the same as the Engeln Four Compartment, but the spillway runs the long way of the tank, so that compartments for Developer, Water and Hypo are directly in front of the operator. The developing compartment is made to contain five gallons of developer, with a capacity for developing eight plates at one time. The compartment for acid hypo or fixing bath contains seven and one-half gallons, which gives it a capacity for fixing twelve plates at one time. The water compartment for washing plates has a capacity for handling sixteen plates at one time. The three compartments overflow into the spillway, and can be partially or completely drained. Running water may be used in the washing compartment, the overflow of which runs into the spillway.

The outside dimensions of this tank are: Length, $24\frac{1}{2}$ in.; width, $24\frac{1}{2}$ in.; depth, 23 in.

A set of heavy iron legs is furnished with each tank, which raise the bottom of the tank 16 in. from the floor. Shipping Weight, 1050 lbs. Blue print furnished upon request.

Cat. No. 901. Engeln Bowen Four Compartment Stone Developing Tank.
Cat. No. 902. Dust-proof Cover for Tank.

Engeln Stone Developing Tank (Six Compartment, Bowen Type)

The construction of this tank is identical with the Four Compartment Bowen Tank, except that the spillway is in the center of the tank. Compartments for Developer, Water and Fixing Bath are at one end, while the opposite end is divided into two compartments, one for washing and the other for extra capacity, either developer or hypo.

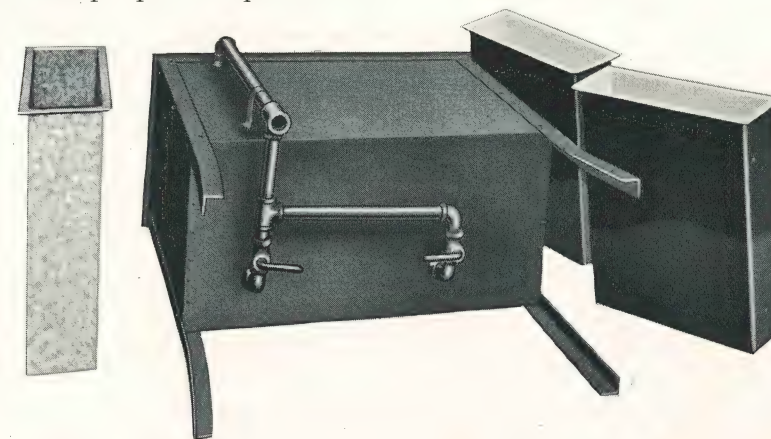
Cat. No. 903. Engeln Bowen Six Compartment Stone Developing Tank, complete with brass spillway plates and dust-proof cover.

Army Tank Developing System (Magnuson Type)



This unit consists of the large outer galvanized housing, divided into two parts. The compartment on the right is for washing plates or films, and the compartment on the left is made to accommodate two $4\frac{1}{2}$ -in. steel enamel tanks, one for developer and one for fixing bath.

The unit is also equipped with one 5-in. galvanized cooling tank. This cooling tank can be filled with ice for keeping the developer and hypo at the proper temperature.



Each compartment is equipped with twin drain, so that but one connection to main drain is necessary. The washing compartment has an overflow and intake pipe, so arranged as to keep a constant uniform motion of the water.

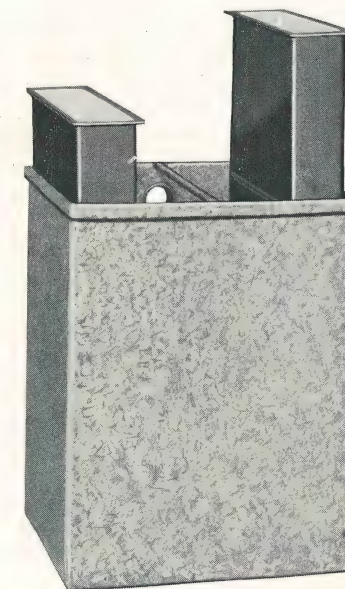
The wall dividing the main tank is provided with air space, thoroughly insulating one compartment from the other.

Cat. No. 905. Army Tank System Complete, consisting of galvanized housing, 2 steel enamel tanks $4\frac{1}{2}$ in. wide and 1 steel enamel cooling tank 5 in. wide.

Cat. No. 906. Cooling Tank for above system.

Engeln Dental Developing Tank No. 1

This tank has been designed for developing dental films where a large number are handled daily. It may be used, however, for developing plates or films up to 8 x 10 size. The jacket is $9\frac{1}{2}$ in. x 11 in. x 15 in. It is equipped with 2 steel enamel tanks, 2 in. x 9 in. x 14 in. The plate washing compartment has an overflow which may be connected direct to drain. The capacity of each porcelain tank is 1 gallon.



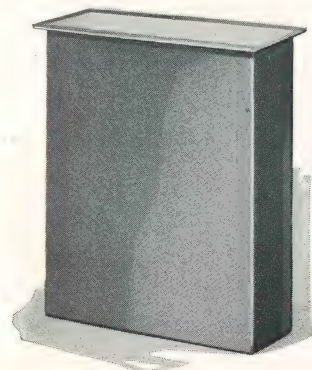
Cat. No. 908. Engeln Combination Dental Developing Tank, consisting of Galvanized Jacket and 2 Steel Enamel Tanks, 2 in. x 9 in. x 14 in.

Engeln Dental Developing Tank No. 2 (All Porcelain)

This Tank is identical with the Engeln Dental Tank No. 1, but the dimensions of the outer jacket are slightly larger, so that developer and hypo tanks set in flush with top edge of jacket. The outer jacket is porcelain enamel, also, and the entire unit is equipped with dust cover over the entire tank. This makes it absolutely light proof.

Cat. No. 909. Engeln Combination Dental Developing Tank, porcelain enamel jacket, 2 steel enamel tanks, 2" x 9" x 14", dust and light proof cover.

Cat. No. 910. Engeln Steel Enamel Developing Tank, 2" x 9" x 14".



Engeln Steel Enamel Developing Tanks

These tanks are made of heavy Armco Steel, without seam, enameled two coats, white inside and blue outside. All sizes made to accommodate plates or films up to and including 14 x 17 size. The capacity of the 2½-in. size tank is 2½ gallons; the 4½-in. tank, 5 gallons; and the 14½-in. tank, 15 gallons.

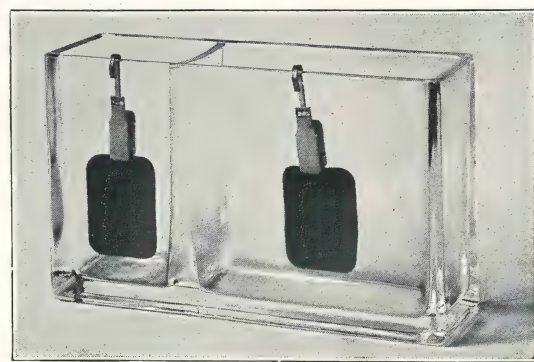
Cat. No. 911. Engeln Steel Enamel Developing Tank, size 2½ in. x 14½ in. x 20½ in. inside dimensions.

Cat. No. 912. Engeln Steel Enamel Developing Tank, size 4½ in. x 14½ in. x 20½ in. inside dimensions.

Cat. No. 913. Engeln Steel Enamel Developing Tank, size 14½ in. x 14½ in. x 20½ in. inside dimensions.

Two Compartment Glass Dental Film Developing Tank

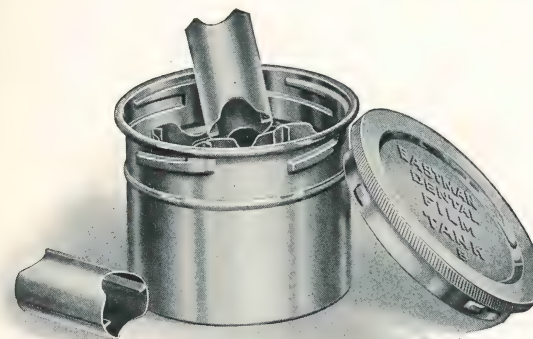
These glass tanks are designed for use where only a few dental films are handled daily. One compartment for developer and one for acid fixing bath. Single developing clips are used, as shown in illustration. These tanks are usually used in pairs, especially where no dark room is available and where developing box is used.



Cat. No. 915. Two Compartment Glass Dental Film Developing Tank, size 2¼ x 6¼ in.

Cat. No. 916. Two Compartment Glass Dental Film Developing Tank, size 1¾ x 6¼ in.

Eastman Glass Dental Film Tank



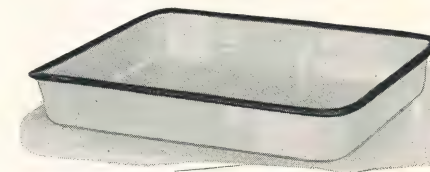
The Eastman Dental Film Tank offers a simple and most satisfactory method of developing Dental Films. The tank is small and compact, fitted with eight metal tubes, each carrying two Dental X-Ray Films. By using an extra set of tubes, development can be carried on continuously without loss of time.

Cat. No. 917. Eastman Dental Film Tank, including 8 tubes for 16 films.

Cat. No. 918. Extra set of tubes.

Porcelain Enamel Developing Trays

These trays are made of best quality Armco seamless steel, enameled two coats, white inside and blue outside.



Cat. No. 920. Size 5 x 7 Porcelain Developing Tray.

Cat. No. 921. Size 8 x 10 Porcelain Developing Tray.

Cat. No. 922. Size 10 x 12 Porcelain Developing Tray.

Cat. No. 923. Size 11 x 14 Porcelain Developing Tray.

Cat. No. 924. Size 14 x 17 Porcelain Developing Tray.

Core Plate Developing Racks

These Developing Racks are for use with plates only, and may be used in any developing box of suitable size.

Cat. No. 933. Plate, size 5 in. x 7 in.; length of cross bar, 16 in.

Cat. No. 934. Plate, size 6½ in. x 8½ in.; length of cross bar, 16 in.

Cat. No. 935. Plate, sizes 8 in. x 10 in. and 10 in. x 12 in.; length of cross bar, 16 in.

Cat. No. 937. Plate, sizes 11 in. x 14 in. and 14 in. x 17 in.; length of cross bar, 16 in.

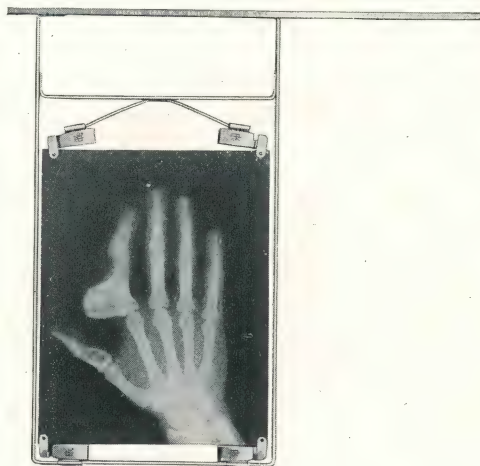
Cat. No. 938. Core Double Plate Rack with 16-in. cross bar for 6½ x 8½ plates.

Cat. No. 939. Core Double Plate Rack with 16-in. cross bar for 5 x 7 plates.

Eastman Film Developing Hangers

(New Type)

This improvement in design of the Eastman Film Developing Hanger has been made so that the spring tension at the top of the hanger takes up the slack in films automatically, and they remain flat and rigid during development or drying.



Cat. No. 926.	Size 5	x 7	Eastman Film Developing Hanger.
Cat. No. 927.	Size 6½	x 8½	Eastman Film Developing Hanger.
Cat. No. 928.	Size 8	x 10	Eastman Film Developing Hanger.
Cat. No. 929.	Size 10	x 12	Eastman Film Developing Hanger.
Cat. No. 930.	Size 11	x 14	Eastman Film Developing Hanger.
Cat. No. 931.	Size 14	x 17	Eastman Film Developing Hanger.



Eastman Dental Film Developing Hanger

This hanger consists of a rod on which there are clips to hold ten Dental Films. They may be suspended over the side of the developing tank and as easily hung up for drying. This hanger has a white celluloid tablet upon which a record may be written.

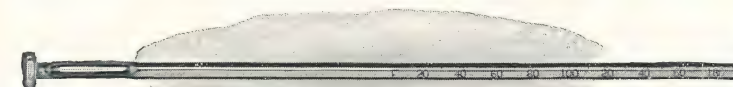
Cat. No. 941. Eastman Developing Hanger, with 10 clips.

Eastman Single Dental Film Developing Clips

Individual clips for holding a single film, and may be suspended on the side of the tank, as shown on page 54. These clips each have a white celluloid table on which a record may be written.

Cat. No. 942. Eastman Single Dental Film Developing Clips.

Eastman Thermometer Stirring Rod



This is a combination of two dark-room necessities. A solid glass stirring rod ¼ inch in diameter and 9¼ inches long, enclosing a specially tested and reliable thermometer. One end of the rod is flattened for crushing purposes. Invaluable as a time saver, as the temperature may be determined at the same time the chemicals are dissolving. Supplied in wooden box.

Cat. No. 943. Thermometer Stirring Rod.

Glass Stirring Rods

These rods are made of strong, tough glass, both ends ground smooth.

Cat. No. 944. Glass Stirring Rod, 8 in.

Cat. No. 945. Glass Stirring Rod, 10 in.

Cat. No. 946. Glass Stirring Rod, 12 in.

Hard Rubber Stirring Rods

Made of pure hard rubber, molded around an aluminum wire center, unbreakable, acid and chemical proof.

Cat. No. 947. Hard Rubber Stirring Rod, 10 inches in length.



Eastman Developing Thermometer

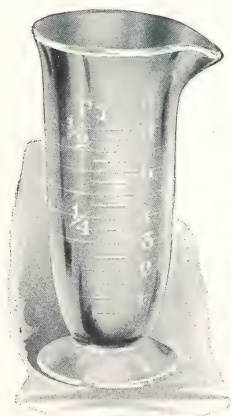
Indispensable for tank development. Made with curved back to fit inside of tank and protecting the tube, and with hook to suspend it by. Figures and degree marks easily read.

Cat. No. 948. Eastman Developing Thermometer.

Bath Thermometer

This thermometer is mounted on wood, to float, and with tube mounted so as to be covered with solution at all times but near enough to surface that figures and degree marks may be easily read.

Cat. No. 949. Bath Thermometer.



Engraved Glass Graduates

These graduates are made of strong, first-quality glass. Markings are carefully engraved.

- Cat. No. 950. Engraved Graduate, 1 ounce.
- Cat. No. 951. Engraved Graduate, 2 ounces.
- Cat. No. 952. Engraved Graduate, 4 ounces.
- Cat. No. 953. Engraved Graduate, 8 ounces.
- Cat. No. 954. Engraved Graduate, 16 ounces.
- Cat. No. 955. Engraved Graduate, 32 ounces.

Fluted Glass Funnels

Fluted Funnels made of strong, heavy glass.

- Cat. No. 956. Fluted Glass Funnel, 8 oz. size.
- Cat. No. 957. Fluted Glass Funnel, 16 oz. size.

Rubber Gloves

Made of pure seamless rubber, with pebbled surface, for development work. Do not destroy the sense of touch, yet of sufficient weight for durability.



Cat. No. 960. Rubber Gloves, sizes 7, 7½, 8 8½ and 9.

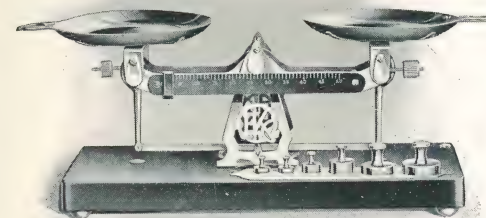
Engeln Laboratory Aprons

These aprons are full cut, made of extra strong fabric and coated with a composition that thoroughly impregnates the fabric.

Water proof and crack proof, and will withstand the hardest dark-room and laboratory usage.

- Cat. No. 961. Laboratory Apron No. 1, 40 in.
- Cat. No. 962. Laboratory Apron No. 2, 46 in.
- Cat. No. 963. Laboratory Apron No. 3, 52 in.

Eastman Studio Scale



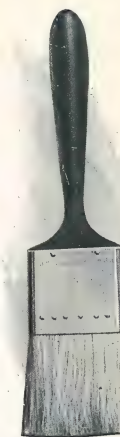
The new Eastman Studio Scale is neatly finished in nickel and black enamel. Has mahogany finish base, nine inches long, and all points are specially hardened. A distinctive feature of the scale is the graduated beam, weighing from one to fifty grams. This eliminates the troublesome small weights, which are such a disadvantage in most scales.

Cat. No. 964. Eastman Studio Scale.

Tin Bound Brushes

First quality goods, and made especially to meet photographic requirements.

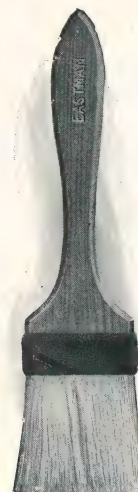
- Cat. No. 965. Tin-Bound Brushes, bristle, 1 in.
- Cat. No. 966. Tin-Bound Brushes, bristle, 1½ in.
- Cat. No. 967. Tin-Bound Brushes, bristle, 2 in.



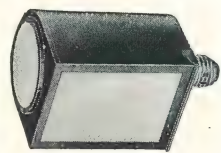
Rubber Set Brushes

In process of manufacture, the hairs or bristles of these brushes are seated in hard rubber and then vulcanized, doing away with any inconvenience arising from hairs coming loose.

- Cat. No. 968. Rubber Set Brushes, bristle, 1 in.
- Cat. No. 969. Rubber Set Brushes, bristle, 1½ in.
- Cat. No. 970. Rubber Set Brushes, bristle, 2 in.



Brownie Safelight Lamp



Slightly larger than the electric bulb it holds, the Brownie Safelight Lamp screws into an electric socket which may be conveniently situated close to the work.

Both safelights are the Regular Series 1. Series 2 (deep red) or 4 (green) will be supplied if specified. A 10-watt Mazda Lamp is used, but is not supplied.

- Cat. No. 973. Brownie Safelight Lamp.
- Cat. No. 974. Extra Circular Safelight (any series).
- Cat. No. 975. Extra Side Safelight (any series).

Wrattan Safelight Lamp Nos. 1 and 2



The Wrattan Safelight Lamps are radically different in construction from the ordinary dark-room lamp in that none but reflected light is permitted to pass. This is accomplished by building the lamp practically twice the height of the ordinary lamp.

The electric globe is placed inside the lamp at the top; the upper half of the No. 1 Lamp being fitted with a sheet of opal glass (for white-light illumination), which can be covered with a light-tight shutter.

By means of a white enameled reflector, the rays of light from the lamp

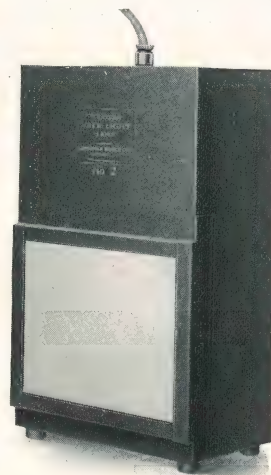
above are brought down and evenly diffused over the surfaces of the glasses comprising the safelight, which are fitted to the lower portion of the lamp front.

The safelight glasses are eight by ten inches, affording ample illumination for the inspection of large plates.

The No. 2 Lamp is the same principle as the No. 1, but without upper opal glass slide.

The Wrattan Safelight Lamps are supplied with 6 feet of cord and socket and one safelight.

- Cat. No. 978. Wrattan Safelight Lamp No. 1.
- Cat. No. 979. Wrattan Safelight Lamp No. 2.
- Cat. No. 980. Extra Safelights (any series).



Kodak Safelight Lamp

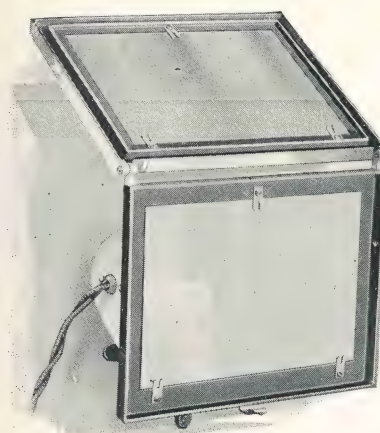
The Kodak Safelight Lamp is ideal for all dark-room uses. Unless otherwise specified, the lamp is supplied with a 5 x 7, Series 2, red safelight. Safelights of other series may be obtained.

Supplied complete, with four feet of light cord and socket, without bulb.

- Cat. No. 976. Kodak Safelight Lamp.
- Cat. No. 977. Extra Safelight (any series).



Victor Lu-Mi-Num Dark Room Light

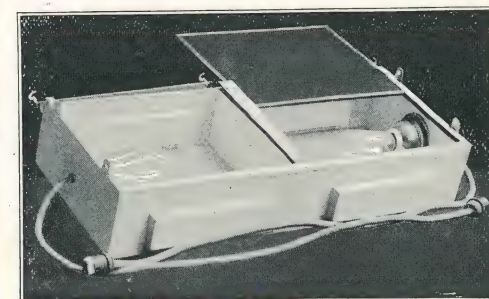


This Dark-Room Light has been designed to overcome the shortcomings heretofore contended with in the dark room. The adjustment is universal, and gives the quality and quantity of light desired. Two lamps in one—dark-room lamp or negative examination light. Can be changed from one to the other instantly. Made of aluminum—cannot rust, corrode, warp or be damaged by chemical solution.

- Cat. No. 981. Victor Lu-Mi-Num Dark-Room Light.

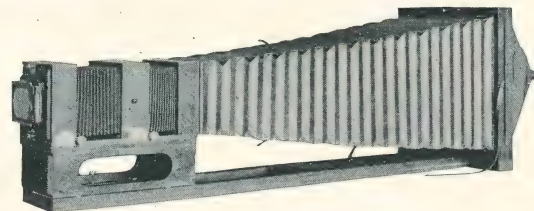
Indirect Light Boxes for Dark Rooms

These boxes, suspended from the ceiling, provide ideal illumination. They are made of metal, correctly ventilated and finished in white enamel. Fitted with cord and plug. Supplied either single or double, for either one or two 10 x 12 Wrattan Safelights. Specify number of safelight when ordering. Lamp bulbs not furnished.

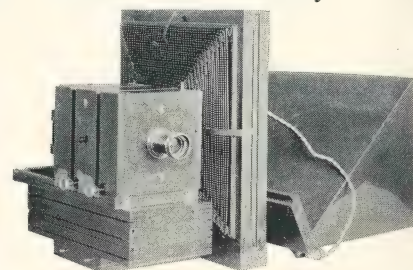


- Cat. No. 982. Indirect Light Box for Dark Room, Single (without safelight or bulb).
- Cat. No. 983. Indirect Light Box for Dark Room, Double (without safelight or bulb).
- Cat. No. 984. Wrattan & Wainwright Safelight, 10 x 12 in. (any series).

Eastman X-Ray Reducing Camera



For the production of lantern slides and other reductions in size from large X-Ray negatives, the Eastman X-Ray Reducing Camera will be found highly efficient. The equipment includes the Century Lantern Slide Camera, fitted with both 5 x 7 and lantern slide back and Kodak Anastigmat lens, f.7.7. The illuminator is fitted with a 100-watt frosted, tungsten lamp, 110 volts. There are kits for 14 x 17, 11 x 14, 10 x 12, 8 x 10, 6½ x 8½ and 5 x 7 negatives. When not in use, it can be packed into a very compact space for storage.



Cat. No. 987. Eastman X-Ray Reducing Camera complete.

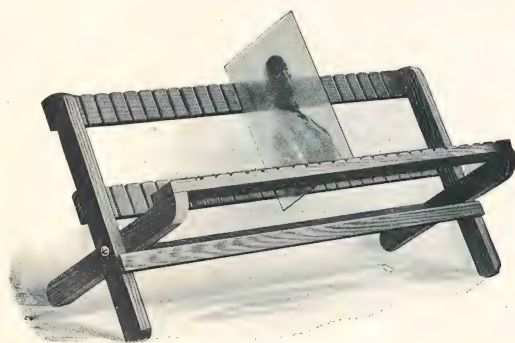
Standard Lantern Plates - Regular and Slow

The "Regular" Standard Lantern Slide Plates produce brilliant slides, varying from black to warm black tones, from average negatives. The Slow Standard Lantern Slide Plate has a more contrasting emulsion.

Cat. No. 988. Standard Lantern Plates, 3¼ x 4 in. Regular.

Cat. No. 989. Standard Lantern Plates, 3¼ x 4 in. Slow.

Cat. No. 990. Cover Glass. Per dozen.



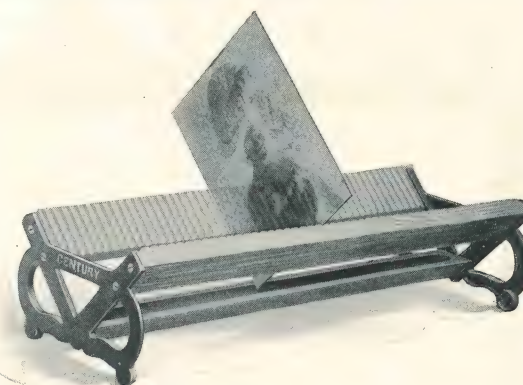
The R. O. C. Negative Rack

A good, substantial and roomy rack, made of straight-grain cherry, thoroughly seasoned. Provided with drip trough and folds flat when not in use. This small negative rack No. 3 will accommodate 12 negatives.

Cat. No. 991. R. O. C. Negative Rack No. 3.

The Century Negative Rack

This Negative Rack is extra strong and well made. Enameled iron and cherry wood. Holds fifty negatives. Supplied with drip trough.

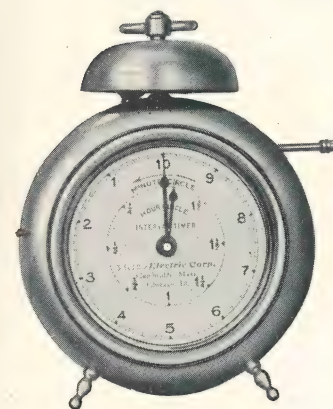


Cat. No. 992. Century Negative Rack, with trough.

Cat. No. 993. Century Negative Rack, without trough.

Interval Timer

This Timer may be set for interval from a quarter of a minute up to two hours. Does not start until the alarm is wound, and stops with the ringing of the alarm. Well made and reliable. It is of particular value in roentgeno-therapy, also in the dark room, for the developing and fixing process.



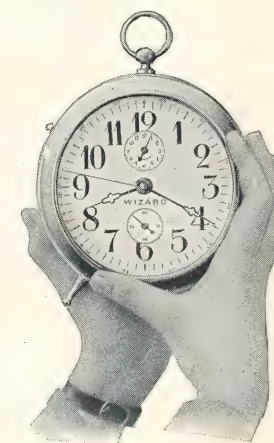
Cat. No. 997. Interval Timer.

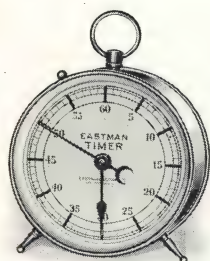
Improved Wizard Time Clock

The Wizard is a 24-hour clock, made of the highest grade materials, and is thoroughly tested and regulated before leaving our factory.

This is the only clock in the world which alarms exactly "on the dot," at the expiration of one minute or any number of minutes, for one hour or any number of hours and minutes. The change from soft buzz to loud ring is an exclusive feature, to which is added an intermittent or repeat movement. In the X-Ray field its value cannot be over-estimated.

Cat. No. 998. Wizard Time Clock with Luminous Dial.





The Eastman Improved Timer

For the accurate timing of exposures, for roentgeno-therapy and for dark-room work. Has minute and second hands which can be reset instantly. The large and plainly marked dial is easily read in subdued light.

Cat. No. 996. Eastman Improved Timer.

Barium Sulphate (For X-Ray Diagnosis)

Cat. No. 1000.	1-Pound Can.
Cat. No. 1001.	5-Pound Can.
Cat. No. 1002.	10-Pound Can.
Cat. No. 1003.	25-Pound Can.
Cat. No. 1004.	50 Pounds (in two 25-pound cans).
Cat. No. 1005.	100 Pounds (in four 25-pound cans).
Cat. No. 1006.	200 Pounds (in eight 25-pound cans).
Cat. No. 1007.	300 Pounds (in twelve 25-pound cans).
Cat. No. 1008.	500 Pounds (in twenty 25-pound cans).

Chemicals

Cat. No. 1011.	Acid, Acetic (28% pure), 1/2-lb. bottle.
Cat. No. 1012.	Acid, Acetic (28% pure), 1-lb. bottle.
Cat. No. 1013.	Acid, Acetic (28% pure), 5-lb. bottle.
Cat. No. 1014.	Acid, Citric (powdered), 1-oz. bottle.
Cat. No. 1015.	Acid, Citric (powdered), 1/4-lb. bottle.
Cat. No. 1016.	Acid, Citric (powdered), 1/2-lb. bottle.
Cat. No. 1017.	Acid, Citric (powdered), 1-lb. bottle.
Cat. No. 1018.	Alum (powdered), 1-lb. carton.
Cat. No. 1019.	Alum (powdered), 5-lb. tin.
Cat. No. 1020.	Alum (powdered), 100-lb. drum.
Cat. No. 1021.	Alum, Chrome (crystal), 1-lb. carton.
Cat. No. 1022.	Alum, Chrome (crystal), 5-lb. carton.
Cat. No. 1023.	Alum, Chrome (crystal), 25-lb. carton.
Cat. No. 1026.	Elon, 1-oz. bottle.
Cat. No. 1027.	Elon, 1/4-lb. bottle.
Cat. No. 1028.	Elon, 1/2-lb. bottle.
Cat. No. 1029.	Elon, 1-lb. bottle.
Cat. No. 1030.	Elon, 10-lb. can.
Cat. No. 1031.	Hydrochinone 1-oz. bottle.
Cat. No. 1032.	Hydrochinone, 1/4-lb. bottle.
Cat. No. 1033.	Hydrochinone, 1/2-lb. bottle.
Cat. No. 1034.	Hydrochinone, 1-lb. bottle.
Cat. No. 1035.	Hydrochinone, 5-lb. cat.

Cat. No. 1036.	Hydrochinone, 25-lb. can.
Cat. No. 1037.	Hydrochinone, 50-lb. drum.
Cat. No. 1040.	Metol, 1-oz. bottle.
Cat. No. 1041.	Metol, 1/4-lb. bottle.
Cat. No. 1042.	Metol, 1/2-lb. bottle.
Cat. No. 1043.	Metol, 1-lb. bottle.
Cat. No. 1044.	Potassium Bromide, 1-oz. can.
Cat. No. 1045.	Potassium Bromide, 1/4-lb. can.
Cat. No. 1046.	Potassium Bromide, 1/2-lb. can.
Cat. No. 1047.	Potassium Bromide, 1-lb. can.
Cat. No. 1048.	Potassium Bromide, 5-lb. can.
Cat. No. 1049.	Potassium Carbonate, 1/2-lb. bottle.
Cat. No. 1050.	Potassium Carbonate, 1-lb. bottle.
Cat. No. 1051.	Potassium Carbonate, 5-lb. can.
Cat. No. 1052.	Potassium Carbonate, 25-lb. can.
Cat. No. 1053.	Potassium Carbonate, 50-lb. drum.
Cat. No. 1054.	Sodium, Acetate, 1-oz. bottle.
Cat. No. 1055.	Sodium, Acetate, 1/4-lb. bottle.
Cat. No. 1056.	Sodium, Acetate, 1/2-lb. bottle.
Cat. No. 1057.	Sodium, Acetate, 1-lb. bottle.
Cat. No. 1058.	Sodium Bicarbonate, 1-lb. carton.
Cat. No. 1059.	Sodium Bicarbonate, 5-lb. carton.
Cat. No. 1060.	Sodium Bicarbonate, 25-lb. can.
Cat. No. 1063.	Sodium Bisulphite, 1-oz. bottle.
Cat. No. 1064.	Sodium Bisulphite, 1/4-lb. bottle.
Cat. No. 1065.	Sodium Bisulphite, 1/2-lb. bottle.
Cat. No. 1066.	Sodium Bisulphite, 1-lb. bottle.
Cat. No. 1067.	Sodium Bisulphite, 5-lb. can.
Cat. No. 1068.	Sodium Bisulphite, 25-lb. can.
Cat. No. 1069.	Sodium Bisulphite, 50-lb. drum.
Cat. No. 1070.	Sodium Carbonate (powdered), 1-lb. bottle.
Cat. No. 1071.	Sodium Carbonate (powdered), 5-lb. bottle.
Cat. No. 1072.	Sodium Carbonate (powdered), 1-lb. can.
Cat. No. 1073.	Sodium Carbonate (powdered), 5-lb. can.
Cat. No. 1074.	Sodium Carbonate (powdered), 25-lb. can.
Cat. No. 1075.	Sodium Carbonate (powdered), 50-lb. drum.
Cat. No. 1078.	Sodium Hyposulphite (Hypo) granulated, 1-lb. bottle.
Cat. No. 1079.	Sodium Hyposulphite (Hypo), pea crystal, 1-lb. can.
Cat. No. 1080.	Sodium Hyposulphite (Hypo), pea crystal, 5-lb. can.
Cat. No. 1081.	Sodium Hyposulphite (Hypo), pea crystal, 25-lb. can.
Cat. No. 1082.	Sodium Hyposulphite (Hypo), pea crystal, 50-lb. can.
Cat. No. 1084.	Sodium Hyposulphite (Hypo), pea crystal, 100-lb. keg.
Cat. No. 1085.	Sodium Sulphite (powdered), 1-lb. bottle.
Cat. No. 1086.	Sodium Sulphite (powdered), 5-lb. bottle.
Cat. No. 1087.	Sodium Sulphite (powdered), 1-lb. can.
Cat. No. 1088.	Sodium Sulphite (powdered), 5-lb. can.
Cat. No. 1089.	Sodium Sulphite (powdered), 25-lb. can.
Cat. No. 1090.	Sodium Sulphite (powdered), 50-lb. drum.

Prepared Chemicals

Eastman X-Ray Developer Powders



- Cat. No. 1095. No. 1 Package of 6 powders, each sufficient to prepare 6 oz. of solution; total package, 1 quart solution.
- Cat. No. 1096. No. 2 Package of 6 powders, each sufficient to prepare 12 oz. of solution; total package, $\frac{1}{2}$ gallon solution.
- Cat. No. 1097. No. 3 Package, containing sufficient powder to prepare 128 oz., or 1 gallon of ready-to-use solution.

X-Ograph Developing Powders

- Cat. No. 1098. 16-Oz. Size (sufficient for 1 pint of developing solution).
- Cat. No. 1099. 128-Oz. Size (sufficient for 1 gallon of developing solution).



Engeln Acid Fixing Powder

- Cat. No. 1103. 1-Lb. Carton (sufficient to make 72 ozs. acid fixing bath).



Velox Liquid Hardener

- Cat. No. 1106. 8-Oz. Bottle.
- Cat. No. 1107. $\frac{1}{2}$ -Gallon Bottle.

X-Ograph Fixing and Hardening Powders

(Double Strength)

- Cat. No. 1100. Half-Pound Package (sufficient for 32 ozs. or 1 quart fixing bath solution).
- Cat. No. 1101. Pound Package (sufficient for 64 ozs. or $\frac{1}{2}$ gallon fixing bath solution).

Kodak Acid Fixing Powder

- Cat. No. 1102. 1-Lb. Carton (sufficient to make $\frac{1}{2}$ gallon acid fixing bath).

Eastman Reducer

This reducer is intended for reducing negatives or removing stains. Put up in cartons of five glass tubes each. Each tube makes 32 ozs., or 1 pint of solution.

- Cat. No. 1108. Eastman Reducer (carton of 5 tubes).

Eastman Liquid Intensifier

An excellent one-solution intensifier. Being ready for use without dilution, it forms a most convenient preparation. May be used repeatedly.

- Cat. No. 1109. Eastman Liquid Intensifier, 8-oz. bottle.

Books

- Cat. No. 1120. AMERICAN ATLAS OF STEREO-ROENTGENOLOGY: Published quarterly, under the editorship and sole auspices of the New York Roentgen Society. Averages 50 pages and 20 Stereo-Roentgenograms (photographs). (1916-19.) Ten numbers published to date.
- Cat. No. 1121. ARTHUR & MUIR: Manual of Practical X-Ray Work. By David Arthur, M. D., radiographer to King Edward Memorial Hospital, and John Muir, B. Sc., Capt. R. A. M. T. C. Second edition. (1918.) 8vo. Cloth, 365 pages, Illust.
- Cat. No. 1122. BAETJER & WATERS: Injuries and Diseases of the Bones and Joints. Their differential diagnosis by means of the Roentgen rays. By Frederick H. Baetjer, M. D., Associate Professor of Roentgenology, Johns Hopkins Univ.; Roentgenologist, Johns Hopkins Hospital, and Charles A. Waters, M. D.; Instructor in Roentgenology, Johns Hopkins Univ.; Asst. Roentgenologist, Johns Hopkins Hospital. Cloth, 277 pages, 333 Illusts. (1921.)
- Cat. No. 1123. BARCLAY: The Alimentary Tract. By Alfred E. Barclay, M. A., M. D., B. C. (Cantab), M. R. C. S., Medical Officer to the X-Ray and Electrical Depts. of the Manchester Royal Infirmary. (1915.) 8vo. Cloth, 211 pages, Illust.
- Cat. No. 1124. BARJON: Radio-Diagnosis of Pleuro-Pulmonary Affections. By F. Barjon, Trans. by James A. Honeji, M. D., Radiologist, Yale Med. Sch. (1918.) 8vo. Cloth, 204 pages, Illust.

- Cat. No. 1125. BECK: Localization of Foreign Bodies, with Stereoscopic Roentgenograms, and Methods of Their Removal. In 2 parts. By Emil G. Beck, M. D., F. A. C. S. (1916.)
Part I. 58 pages, 30 Stereo-Roentgenograms (photographs) and 5 photographs.
Part II. 53 pages, 34 Stereo-Roentgenograms (photographs) and 3 photographs. 2 vols.
- Cat. No. 1126. BECLERE, COTTENOT & LABORDE: Radiologie et Radiumtherapie. (1920.) 8vo. Paper, 519 pages., Illust.
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