

KELLOGG

USE — is the Test

KELLOGG TELEPHONES BULLETIN NO. 25, 1921

Catalog offering all the available (in 1921) telephone sets made by Kellogg, wood magneto, all types of Grabaphones, desk sets, subsets, ringers, railroad sets and test sets.

Printed on 20# coated stock by the letterpress method, black on white. Size is 7 ¾ by 10 inches and is two hole punched in the left margin.

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KELLOGG TELEPHONES

BULLETIN No. 25

KELLOGG SWITCHBOARD &
SUPPLY COMPANY — Chicago

TELEPHONES

Wall—Common Battery

Regular Type



Fig. No. 2501

Ringer
Straight Line
Biased
Old Harmonic
New Harmonic

Code No.
F-742SA
F-742BA
F-742HA
F-742HB

Grabaphone Type

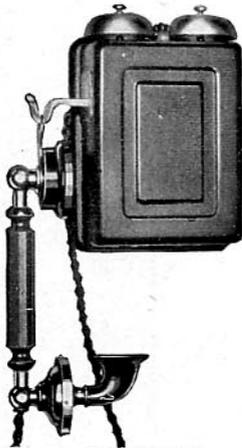


Fig. No. 2502

Ringer
Straight Line
Biased
Old Harmonic
New Harmonic

Code No.
F-9742SA
F-9742BA
F-9742HA
F-9742HB

Wall—Magneto

Regular Type

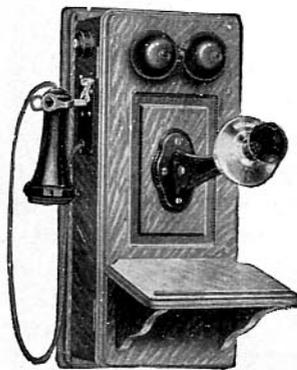


Fig. No. 2503

| Equipment | Code Reg. | Code Res. |
|---|-----------|-----------|
| 3 bar generator—1000 ohm Ringer | F-2809 | F-1809 |
| 5 bar generator—1600 ohm Ringer | F-2812 | F-1812 |
| 5 bar generator—1600 ohm Ringer With Cond. | F-2816 | F-1816 |
| 5 bar generator—1600 ohm Ringer With Cond. and Gr'd. Button | F-2824 | F-1824 |
| 5 bar generator—2500 ohm Ringer | F-2859 | F-1859 |
| 5 bar generator—2500 ohm Ringer With Cond. | F-2880 | F-1880 |
| 5 bar generator—2500 ohm Ringer With Cond. and Gr'd. Button | F-2881 | F-1881 |



Fig. No. 2505

Grabaphone Type

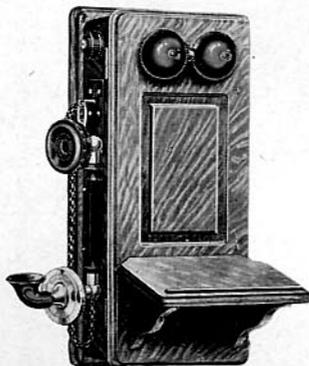


Fig. No. 2504

| Equipment | Code Reg. | Code Res. |
|---|-----------|-----------|
| 3 bar generator—1000 ohm Ringer | F-2809G | F-1809G |
| 5 bar generator—1600 ohm Ringer | F-2812G | F-1812G |
| 5 bar generator—1600 ohm Ringer With Cond. | F-2816G | F-1816G |
| 5 bar generator—1600 ohm Ringer With Cond. and Gr'd. Button | F-2824G | F-1824G |
| 5 bar generator—2500 ohm Ringer | F-2859G | F-1859G |
| 5 bar generator—2500 ohm Ringer With Cond. | F-2880 | F-1880G |
| 5 bar generator—2500 ohm Ringer With Cond. and Gr'd. Button | F-2881 | F-1881G |



Fig. No. 2506

TELEPHONES

Desk—Common Battery



Fig. No. 2507

Ringer
Straight Line
Biased
Old Harmonic
New Harmonic

Regular Type

3 Cond. Desk
Stand cord
F-118SF
F-118BF
F-118HAF
F-118HBF

2 Cond. Desk
Stand cord
F-97SF
F-97BF
F-97HAF
F-97HBF

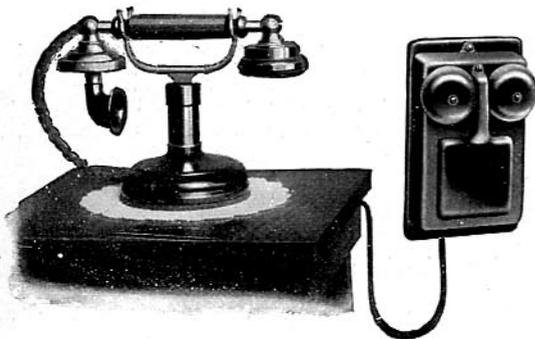


Fig. No. 2508

Ringer
Straight Line
Biased
Old Harmonic
New Harmonic

Grabaphone Type

3 Cond. Desk
Stand cord
F-115SF
F-115BF
F-115HAF
F-115HBF

Desk—Magneto



Fig. No. 2509

Regular Type

| Equipment | Code No. |
|--|----------|
| 3 bar generator—1000 ohm Ringer | F -9 |
| 5 bar generator—1600 ohm Ringer | F-12 |
| 5 bar generator—1600 ohm Ringer Cond. in Sec. | F-16 |
| 5 bar generator—1600 ohm Ringer Cond. in Sec. and Gr'd. Button | F-24 |
| 5 bar generator—2500 ohm Ringer | F-59 |
| 5 bar generator—2500 ohm Ringer Cond. in Sec. | F-80 |
| 5 bar generator—2500 ohm Ringer Cond. in Sec. and Gr'd. Button | F-81 |



Fig. No. 2510

Grabaphone Type

| Equipment | Code No. |
|---|----------|
| 3 bar generator—1000 ohm Ringer | F- 9G |
| 5 bar generator—1600 ohm Ringer | F-12G |
| 5 bar generator—1600 ohm Ringer Cond. in Sec. | F-16G |
| 5 bar generator—1600 ohm Ringer Cond. in Sec. Gr'd Button | F-24G |
| 5 bar generator—2500 ohm Ringer | F-59G |
| 5 bar generator—2500 ohm Ringer Cond. in Sec. | F-80G |
| 5 bar generator—2500 ohm Ringer Cond. in Sec. Gr'd Button | F-81G |

TO THE PURCHASER

Terms

Our terms are 30 days net from date of invoice. Purchasers unknown to us should have satisfactory bank or commercial references accompany their first order when it is desired to have same shipped on open account, and a remittance with first order will avoid the delay incident to the necessary credit investigation. Goods may be forwarded by freight with sight draft attached to bill of lading or by express collect on delivery, if a remittance, sufficient to pay express charges both ways, accompanies the order.

Changes and Cancellations

Owing to the special stock conditions, etc., changes and cancellations of orders once entered cannot be made without our consent and on terms that will make good all loss and expenses incurred in preparing the order for shipment.

Shipments

Orders calling for special apparatus should state if standard goods are to be shipped at once or held for shipment with special apparatus.

Shipments are made according to directions received with orders. In their absence we will use our best judgment in making selections of routes. State whether we shall ship by freight, express or parcel post. It is our endeavor to ship standard goods immediately upon receipt of orders, and customers will greatly assist us in making prompt shipments if they will order by number to save delay. Also please mention catalogue number.

Claims for Breakage and Non-Delivery

Our goods are carefully packed by experienced packers, and each article is checked three times before reaching the packing case.

Receipts from the Transportation Co. clearly specify that shipments were received in good condition and we, therefore, do not hold ourselves responsible for any loss or damage sustained in transit.

Claims for non-delivery, etc., should be made promptly against the Transportation Co. and notification of such claims sent to us so that we may lend our assistance to secure a satisfactory adjustment for the customer.

Claims

Claims for shortage should be made promptly upon receipt of goods, and should be accompanied by the packer's ticket which is placed in each case.

Claims for clerical errors should be accompanied by a reference to our invoice number.

Returning Goods

No goods should be returned for credit or exchange without our consent.

Name and address of shipper should be marked plainly on all packages returned for credit, exchange or repairs, and a proper notice of shipment should be sent to the Kellogg Co. We stand ready at all times to rectify mistakes we make, and without cost to our customers, but under no circumstances should goods be returned without first consulting us for shipping instructions.

No credit for labor expense involved in the repair of defective or damaged goods will be allowed. If goods are defective, the measure of damage is the price of the defective goods only.

Parcel Post Shipments

Goods ordered to be shipped by parcel post will be insured against loss or damage and additional postage charges incurred will be charged to the customer.

Prices

We issue price lists from time to time which are subject to change without notice and are f. o. b. factory unless otherwise stated; giving latest and lowest market prices upon all standard goods. Please order all items by code number and name to avoid error.

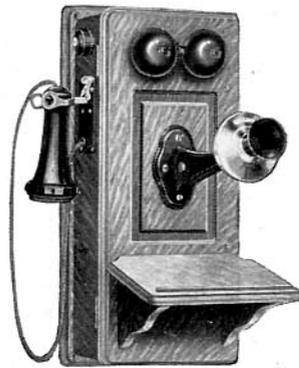
TELEPHONES

Magneto Wall Type

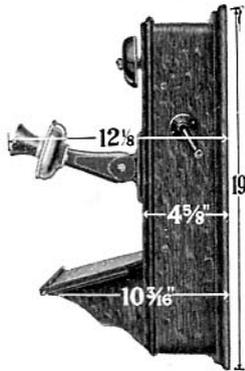
Kellogg Magneto Telephones include our compact quarter-sawed oak cabinet, and are wired for a condenser in the receiver circuit. They are drilled for the standard sizes of generators, also straight line or Harmonic ringers and are arranged so that the ringer can be connected from either side to ground for divided circuit and eight party Harmonic ringing.

Each telephone is furnished with a No. 3 carbon block lightning arrester, a bakelite receiver shell and a bakelite mouthpiece. Batteries and mounting screws are not furnished except when specified.

All Magneto telephones are convertible to common battery when desired, by taking out the batteries and generator and installing a condenser in place of the generator. This advantage involves no extra cost and does not detract from the simplicity and efficiency of the set for Magneto service.



No. 2820
Fig. No. 2511



Side View
Fig. No. 2512



Open View
Fig. No. 2513

Straight Line Ringers—No Push Button

| Code No. | Ringer Ohms Rec. | Code No. | Generator No. Bars | Code N. | Transmitter | Arm | Hook Switch | Ind. Coll. | Con-denser | Re-ceiver | Remarks |
|----------|------------------|----------|--------------------|---------|-------------|-----|-------------|------------|------------|-----------|---------|
| F2809 | 1000 | 78-A | 3 | 15 | 22-LC | 42 | 103 | 28-C | .... | F41-A | |
| F2810 | 1000 | 78-A | 4 | 22 | 22-LC | 42 | 103 | 28-C | .... | F41-A | |
| F2811 | 1600 | 78-D | 4 | 22 | 22-LC | 42 | 103 | 28-C | .... | F41-A | |
| F2812 | 1600 | 78-D | 5 | 53 | 22-LC | 42 | 103 | 28-C | .... | F41-A | |
| F2859 | 2500 | 78-G | 5 | 53 | 22-LC | 42 | 103 | 28-C | .... | F41-A | |

Straight Line Ringers with Condenser in Secondary

| | | | | | | | | | | | |
|-------|------|------|---|----|-------|----|-----|------|----|-------|------------------|
| F2813 | 1000 | 78-A | 3 | 15 | 22-LC | 42 | 103 | 28-C | 28 | F41-A | Cond. in sec'd'y |
| F2814 | 1000 | 78-A | 4 | 22 | 22-LC | 42 | 103 | 28-C | 28 | F41-A | Cond. in sec'd'y |
| F2815 | 1600 | 78-D | 4 | 22 | 22-LC | 42 | 103 | 28-C | 28 | F41-A | Cond. in sec'd'y |
| F2816 | 1600 | 78-D | 5 | 53 | 22-LC | 42 | 103 | 28-C | 28 | F41-A | Cond. in sec'd'y |
| F2820 | 2500 | 78-G | 5 | 53 | 22-LC | 42 | 103 | 28-C | 28 | F41-A | Cond. in sec'd'y |
| F2837 | 1600 | 78-D | 4 | 23 | 22-LC | 42 | 103 | 28-C | 28 | F41-A | Cond. in sec'd'y |
| F2856 | 1600 | 78-D | 5 | 55 | 22-LC | 42 | 103 | 28-C | 28 | F41-A | Cond. in sec'd'y |

Straight Line Ringers, Condenser in Sec'd'y, Pulsating Current Generator

| | | | | | | | | | | | |
|-------|------|------|---|----|-------|----|-----|------|----|-------|---------------------------------------|
| F2853 | 1000 | 78-A | 3 | 19 | 22-LC | 42 | 103 | 28-C | 28 | F41-A | Cond. in sec'd'y Pul. current Gen. |
| F2854 | 1000 | 78-A | 4 | 23 | 22-LC | 42 | 103 | 28-C | 28 | F41-A | Cond. in sec'd'y Pul. current Gen. |

Straight Line Ringer, Pulsating and Alternating Current Generator

| | | | | | | | | | | | |
|-------|------|------|---|----|-------|----|-----|------|------|-------|--------------------------------------|
| F2876 | 1000 | 78-A | 4 | 68 | 22-LC | 42 | 103 | 28-C | | F41-A | Ring both sides of line to ground |
|-------|------|------|---|----|-------|----|-----|------|------|-------|--------------------------------------|

F preceding code number denotes flat type or spade Terminals.

TELEPHONES

Magneto Wall Type

Biased Ringer—No Push Button

| Code No. | Ringer | | Generator | | Trans. | Arm | Hook Switch | Ind. Coil | Cond. | Rec. | Remarks |
|----------|--------|------|-----------|------|--------|-----|-------------|-----------|-------|-------|---------|
| | Res. | Code | Bars | Code | | | | | | | |
| F2808 | 1000 | 79-A | 3 | 15 | 22-LC | 42 | 103 | 28-C | ..... | F41-A | |
| F2838 | 1600 | 79-D | 3 | 15 | 22-LC | 42 | 103 | 28-C | ..... | F41-A | |
| F2878 | 2500 | 79-G | 3 | 15 | 22-LC | 42 | 103 | 28-C | ..... | F41-A | |

Harmonic Ringer—No Push Button

| | | | | | | | | | | | |
|-------|---------|------|---|----|-------|----|-----|------|------|-------|---|
| F2807 | 4-party | 73-A | 3 | 15 | 22-LC | 42 | 103 | 28-C | .... | F41-A | |
| F2873 | 4-party | 72-A | 3 | 66 | 22-LC | 42 | 103 | 28-C | 78 | F41-A | Cond. in secondary. |
| F2874 | 4-party | 73-A | 3 | 66 | 22-LC | 42 | 103 | 28-C | 78 | F41-A | Cond. in secondary. |
| F2877 | 4-party | 72-A | 3 | 68 | 22-LC | 42 | 103 | 28-C | 103 | F41-A | Cond in ringer ckt. Rings both sides of line to ground. |

Straight Line Ringer—Push Button

| Code No. | Ringer | | Generator | | Trans. | Arm | Hook Switch | Ind. Coil | Push Button | Cond. | Rec. |
|----------|--------|------|-----------|------|--------|-----|-------------|-----------|-------------|-------|-------|
| | Res. | Code | Bars | Code | | | | | | | |
| F2821 | 1000 | 78-A | 3 | 15 | 22-LC | 42 | 103 | 28-C | 5 | 28 | F41-A |
| F2822 | 1000 | 78-A | 4 | 22 | 22-LC | 42 | 103 | 28-C | 5 | 28 | F41-A |
| F2823 | 1600 | 78-D | 4 | 22 | 22-LC | 42 | 103 | 28-C | 5 | 28 | F41-A |
| F2824 | 1600 | 78-D | 5 | 53 | 22-LC | 42 | 103 | 28-C | 5 | 28 | F41-A |
| F2881 | 2500 | 78-G | 5 | 53 | 22-LC | 42 | 103 | 28-C | 5 | 28 | F41-A |
| F2850 | 1600 | 78-D | 5 | 53 | 22-LC | 42 | 103 | 28-C | 14 | .... | F41-A |

Straight Line Ringer—P. & A. C. Generator Push Button

| | | | | | | | | | | | |
|-------|------|------|---|----|-------|----|-----|------|--------|----|-------|
| F2817 | 1000 | 78-A | 3 | 31 | 22-LC | 42 | 103 | 28-C | 5 | 28 | F41-A |
| F2818 | 1000 | 78-A | 4 | 26 | 22-LC | 42 | 103 | 28-C | 5 | 28 | F41-A |
| F2819 | 1600 | 78-D | 4 | 26 | 22-LC | 42 | 103 | 28-C | 5 | 28 | F41-A |
| F2820 | 1600 | 78-D | 5 | 59 | 22-LC | 42 | 103 | 28-C | 5 | 28 | F41-A |
| F2842 | 1600 | 78-D | 5 | 59 | 22-LC | 42 | 103 | 28-C | 5 & 30 | 28 | F41-A |
| F2860 | 2500 | 78-G | 5 | 59 | 22-LC | 42 | 103 | 28-C | 5 | 28 | F41-A |

Straight Line Ringer—Transmitter Cut-in Button

| | | | | | | | | | | | |
|-------|------|------|---|----|------|----|-----|------|---|----|-------|
| F2847 | 1600 | 78-D | 5 | 53 | 22LC | 42 | 103 | 28-C | 5 | 28 | F41-A |
|-------|------|------|---|----|------|----|-----|------|---|----|-------|

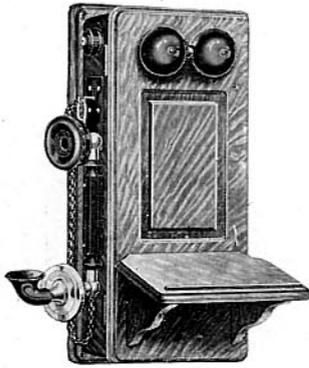
Magneto Grabaphone—Wall Type

Straight Line Ringer—No Push Button

| Code No. | Res. | Ringer Code | Generator Bars | Generator Code | Trans. | Arm | Hook Switch | Ind. Coil | Cond. | Rec. | Grabaphone |
|----------|------|-------------|----------------|----------------|--------|------|-------------|-----------|-------|------|------------|
| | | | | | | | | | | | Code |
| F2809-G | 1000 | 78-A | 3 | 15 | .... | .... | 110 | 28-C | .... | .... | F12-LC |
| F2812-G | 1600 | 78-D | 5 | 53 | .... | .... | 110 | 28-C | .... | .... | F12-LC |
| F2859-G | 2500 | 78-G | 5 | 53 | .... | .... | 110 | 28-C | .... | .... | F12-LC |
| F2816-G | 1600 | 78-D | 5 | 53 | .... | .... | 110 | 28-C | .... | 28 | F12-LC |
| F2880-G | 2500 | 78-G | 5 | 53 | .... | .... | 110 | 28-C | .... | 28 | F12-LC |

TELEPHONES

Magneto Grabaphone—Wall Type



No. F2824-G
Fig. No. 2514

Straight Line Ringer—Push Button

| Code No. | Ringer | | Generator | | Hook Switch | Ind. Coil | Push Button | Cond. | Grabaphone Code |
|----------|--------|------|-----------|------|-------------|-----------|-------------|-------|-----------------|
| | Res. | Code | Bars | Code | | | | | |
| F2824-G | 1600 | 78-D | 5 | 53 | 110 | 28-C | 5 | 28 | F12-LC |
| F2881-G | 2500 | 78-G | 5 | 53 | 110 | 28-C | 5 | 28 | F12-LC |

Magneto Type Wall Grabaphone



No. F5020
Fig. No. 2515

Straight Line Ringer—Cradle Hookswitch

| Code No. | Res. | Ringer | | Generator | | Hook Switch | Ind. Coil | Cond. | Grabaphone Code |
|----------|------|--------|------|-----------|------|-------------|-----------|--------|-----------------|
| | | Code | Bars | Code | Code | | | | |
| F5020 | 1000 | 78-A | 3 | 15 | 117 | 28-C | .... | F11-LC | |
| F5021 | 1600 | 78-D | 5 | 53 | 117 | 28-C | .... | F11-LC | |
| F5022 | 1600 | 78-D | 5 | 53 | 117 | 28-C | 28 | F11-LC | |

Straight Line Ringer—Standard Grabaphone Hookswitch

| | | | | | | | | |
|-------|------|------|---|----|-----|------|------|--------|
| F5010 | 1000 | 78-A | 3 | 15 | 117 | 28-C | .... | F11-LC |
| F5011 | 1600 | 78-D | 5 | 53 | 117 | 28-C | .... | F11-LC |

GRABAPHONES

The Kellogg Grabaphone used with wall sets and desk stands enables the telephone man to obtain an extremely convenient and serviceable telephone. These grabaphones include our standard transmitter with Kellogg Bakelite mouthpiece and Kellogg Bakelite receiver, with a neatly designed hard rubber handle and so assembled that they can be used by any person without any loss of transmission.

A 48 in., 4 conductor green silk cord is furnished with these grabaphones. When ordering specify whether they are to be furnished with a C type transmitter for common battery service, an L type transmitter for local battery service or an L C transmitter for either local or common battery.



No. 11
Fig. No. 2516

Code No. 11. Grabaphone includes No. 50 Transmitter, No. 49-A Receiver and No. 454 Cord.

Code No. 12. Grabaphone, same as No. 11, but has a No. 50-A Receiver with eye for hanging on hook.

Code No. 13. Grabaphone with switch in handle includes No. 58 Transmitter, No. 45-A Receiver and No. 455 Cord.

Code No. 14. Grabaphone, same as No. 13, but has a No. 45-A Receiver with eye for hanging on hook.



No. 12

TELEPHONES

Magneto Residence Type

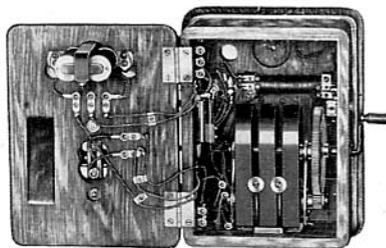


No. F1809
Fig. No. 2518

These sets are intended for use where a smaller telephone than the regular compact wall set is desired or required because of limited mounting space.

The cabinet backboard panel measures $7\frac{1}{2}$ " wide by 10" long. No writing shelf is furnished and no provision is made for batteries, otherwise they are of the same sturdy construction as the standard magneto wall telephone.

For battery boxes for these sets, see page 241, Catalog No. 5.



Open View F1809
Fig. No. 2519

Straight Line Ringer—No Push Button

| Code No. | Ringer | | Generator | | Trans. | Arm | Hook Switch | Ind. Coil | Push Button | Cond. | Rec. |
|----------|--------|------|-----------|-------|--------|-----|-------------|-----------|-------------|-------|-------|
| | Res. | Code | Bars | Code | | | | | | | |
| F1809 | 1000 | 78-A | 3 | 15-AC | 64-LC | 41 | 103 | 28-C | | | F41-A |
| F2921 | 1000 | 78-A | 4 | 22-AC | 64-LC | 41 | 103 | 28-C | | | F41-A |
| F2922 | 1600 | 78-D | 4 | 22-AC | 64-LC | 41 | 103 | 28-C | | | F41-A |
| F1812 | 1600 | 78-D | 5 | 53-AC | 64-LC | 41 | 103 | 28-C | | | F41-A |
| F1859 | 2500 | 78-G | 5 | 53-AC | 64-LC | 41 | 103 | 28-C | | | F41-A |

Straight Line Ringer with Condenser in Sec'd'y

| | | | | | | | | | | | |
|-------|------|------|---|-------|-------|----|-----|------|----|--|-------|
| F2924 | 1000 | 78-A | 3 | 15-AC | 64-LC | 41 | 103 | 28-C | 28 | | F41-A |
| F2925 | 1000 | 78-A | 4 | 22-AC | 64-LC | 41 | 103 | 28-C | 28 | | F41-A |
| F2926 | 1600 | 78-D | 4 | 22-AC | 64-LC | 41 | 103 | 28-C | 28 | | F41-A |
| F1816 | 1600 | 78-D | 5 | 53-AC | 64-LC | 41 | 103 | 28-C | 28 | | F41-A |
| F1880 | 2500 | 78-G | 5 | 53-AC | 64-LC | 41 | 103 | 28-C | 28 | | F41-A |
| F2936 | 1000 | 78-A | 3 | 19-PC | 64-LC | 41 | 103 | 28-C | 28 | | F41-A |
| F2937 | 1000 | 78-A | 4 | 23-PC | 64-LC | 41 | 103 | 28-C | 28 | | F41-A |
| F2938 | 1600 | 78-D | 4 | 23-PC | 64-LC | 41 | 103 | 28-C | 28 | | F41-A |
| F2939 | 1600 | 78-D | 5 | 55-PC | 64-LC | 41 | 103 | 28-C | 28 | | F41-A |

Biased Ringer—No Push Button

| | | | | | | | | | | | |
|-------|------|------|---|-------|-------|----|-----|------|--|--|-------|
| F2805 | 1000 | 79-A | 3 | 15-AC | 64-LC | 41 | 103 | 28-C | | | F41-A |
|-------|------|------|---|-------|-------|----|-----|------|--|--|-------|

Harmonic Ringer—No Push Button

| | | | | | | | | | | | |
|-------|---------|------|---|-------|-------|----|-----|------|--|--|-------|
| F2804 | 4-party | 73-A | 3 | 15-AC | 64-LC | 41 | 103 | 28-C | | | F41-A |
|-------|---------|------|---|-------|-------|----|-----|------|--|--|-------|

Straight Line Ringer—Push Button

| | | | | | | | | | | | |
|-------|------|------|---|-------|-------|----|-----|------|---|----|-------|
| F2932 | 1000 | 78-A | 3 | 15-AC | 64-LC | 41 | 103 | 28-C | 5 | 28 | F41-A |
| F2933 | 1000 | 78-A | 4 | 22-AC | 64-LC | 41 | 103 | 28-C | 5 | 28 | F41-A |
| F2934 | 1600 | 78-D | 4 | 22-AC | 64-LC | 41 | 103 | 28-C | 5 | 28 | F41-A |
| F1824 | 1600 | 78-D | 5 | 53-AC | 64-LC | 41 | 103 | 28-C | 5 | 28 | F41-A |
| F1881 | 2500 | 78-G | 5 | 53-AC | 64-LC | 41 | 103 | 28-C | 5 | 28 | F41-A |

TELEPHONES

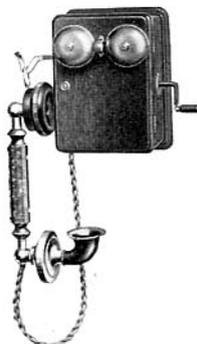
Magneto Residence Type

Straight Line Ringer—P. & A. C. Generator—Push Button

| Code No. | Res. | Ringer Code | Generator Bars | Code | Trans. | Arm | Hook Switch | Push Button | Ind. Coil | Cond. | Rec. |
|----------|------|-------------|----------------|------|--------|-----|-------------|-------------|-----------|-------|-------|
| F2867 | 1000 | 78-A | 3 | 26 | 64LC | 41 | 103 | 5 | 28-C | 28 | F41-A |
| F2928 | 1000 | 78-A | 4 | 31 | 64LC | 41 | 103 | 5 | 28-C | 28 | F41-A |
| F2930 | 1600 | 78-D | 4 | 26 | 64LC | 41 | 103 | 5 | 28-C | 28 | F41-A |
| F2931 | 1600 | 78-D | 5 | 59 | 64LC | 41 | 103 | 5 | 28-C | 28 | F41-A |

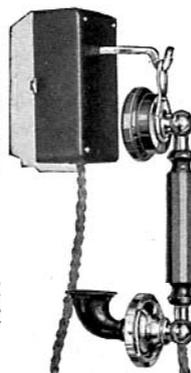
Magneto Residence Grabaphone Type

Straight Line Ringer—No Push Button



No. F1809-G
Magneto Residence Set
Fig. No. 2520

| Code No. | Res. | Ringer Code | Generator Bars | Code | Hook Switch | Ind. Coil | Cond. | Graba- phone |
|----------|------|-------------|----------------|------|-------------|-----------|-------|-----------------|
| F1809-G | 1000 | 78-A | 3 | 15 | 110 | 28-C | ..... | F12-LC |
| F1812-G | 1600 | 78-D | 5 | 53 | 110 | 28-C | ..... | F12-LC |
| F1859-G | 2500 | 78-G | 5 | 53 | 110 | 28-C | ..... | F12-LC |
| F1816-G | 1600 | 78-D | 5 | 53 | 110 | 28-C | 28 | F12-LC |
| F1880-G | 2500 | 78-G | 5 | 53 | 110 | 28-C | 28 | F12-LC |



No. F2927
Fig. No. 2522

Straight Line Ringer—Push Button No. 5

| | | | | | | | | |
|---------|------|------|---|----|-----|------|----|--------|
| F1824-G | 1600 | 78-D | 5 | 53 | 110 | 28-C | 28 | F12-LC |
| F1881-G | 2500 | 78-G | 5 | 53 | 110 | 28-C | 28 | F12-LC |

Magneto Extension Set

| Code No. | Hook Switch | Ind. Coil | Grabaphone |
|----------------|-------------|-----------|------------|
| Steel F2827 | 98 | 28-C | F12-LC |

Magneto Telephone Battery Savers

A mechanical attachment which stops the hook switch in an intermediate position after the listening circuit is closed. May be attached to all type Kellogg wall phones and many other makes of telephones.

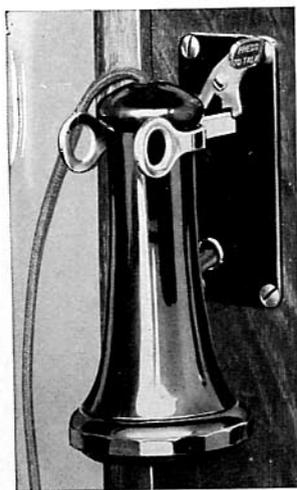
This simple attachment is put on in a jiffy with an ordinary screw driver, does not interfere, and has no direct connection with the wiring. Cannot get out of order or cause trouble.

It automatically stops the hook in an intermediate position before the battery circuit is closed.

In making or answering a regular call, the user merely releases this stop with his left thumb at the time he takes the receiver from the hook. When listening in, the receiver is removed without releasing the stop and the battery circuit is not closed unless the party desires to talk, in which case the stop can be released by touching it once, after which the user can both listen and talk in the usual manner.

Code No. 1 for Kellogg short lever hookswitch telephones.

Code No. 2 for Kellogg older type, long lever hookswitch telephones and many other makes of phones. Attaches to wood work.



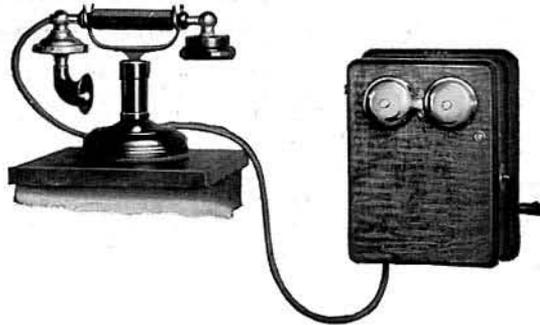
No. 1 Battery Saver
Fig. No. 2521

TELEPHONES

Magneto Desk Sets



Desk Stand Type
Fig. No. 2523



Grabaphone Type
Fig. No. 2524

DESK STAND TYPE

Straight Line Ringer—Induction Coil

| Set Code No. | Desk Stand | | | | Desk Set Box | | | | | |
|--------------|------------|-----------|--------|-------|--------------|--------|------------------|--------------------------|-----------|-------------------|
| | Code | Conductor | Cord | Rec. | Trans. | Code | Ringer | Generator | Ind. Coil | Push Cond. Button |
| F-9 | F-84 | 3 | F-150D | F-41A | 64LC | F-2328 | No. 78A-1000 ohm | No. 15-3 bar alternating | 28 | |
| F-12 | F-84 | 3 | F-150D | F-41A | 64LC | F-2361 | No. 78D-1600 ohm | No. 53-5 bar alternating | 28 | |
| F-59 | F-84 | 3 | F-150D | F-41A | 64LC | F-2362 | No. 78G-2500 ohm | No. 53-5 bar alternating | 28 | |

Straight Line Ringer—Induction Coil—Condenser

| | | | | | | | | | | |
|------|------|---|--------|-------|------|--------|------------------|--------------------------|----|--------|
| F-16 | F-84 | 3 | F-150D | F-41A | 64LC | F-2370 | No. 78D-1600 ohm | No. 53-5 bar alternating | 28 | 28C½MF |
| F-80 | F-84 | 3 | F-150D | F-41A | 64LC | F-2371 | No. 78G-2500 ohm | No. 53-5 bar alternating | 28 | 28C½MF |

Straight Line Ringer—Induction Coil—Condenser—Push Button for Grounded Signalling

| | | | | | | | | | | | |
|------|------|---|--------|-------|------|--------|------------------|--------------------------|----|---------|---|
| F-24 | F-84 | 3 | F-150D | F-41A | 64LC | F-2376 | No. 78D-1600 ohm | No. 53-5 bar alternating | 28 | 28C-½MF | 5 |
| F-81 | F-84 | 3 | F-150D | F-41A | 64LC | F-2411 | No. 78G-2500 ohm | No. 53-5 bar alternating | 28 | 28C-½MF | 5 |

GRABAPHONE TYPE

Straight Line Ringer—Induction Coil

| | | | | | | | | | |
|-------|-------|---|--------|--------|--------|------------------|--------------------------|----|--|
| F-9G | F-115 | 3 | F-150D | F-11LC | F-2328 | No. 78A-1000 ohm | No. 15-3 bar alternating | 28 | |
| F-12G | F-115 | 3 | F-150D | F-11LC | F-2361 | No. 78D-1600 ohm | No. 53-5 bar alternating | 28 | |
| F-59G | F-115 | 3 | F-150D | F-11LC | F-2362 | No. 78G-2500 ohm | No. 53-5 bar alternating | 28 | |

Straight Line Ringer—Induction Coil—Condenser

| | | | | | | | | | |
|-------|-------|---|--------|--------|--------|------------------|--------------------------|----|---------|
| F-16G | F-115 | 3 | F-150D | F-11LC | F-2370 | No. 78D-1600 ohm | No. 53-5 bar alternating | 28 | 28C-½MF |
| F-80G | F-115 | 3 | F-150D | F-11LC | F-2371 | No. 78G-2500 ohm | No. 53-5 bar alternating | 28 | 28C-½MF |

Straight Line Ringer—Induction Coil—Condenser—Push Button for Grounded Signalling

| | | | | | | | | | | |
|-------|-------|---|--------|--------|--------|------------------|--------------------------|----|---------|---|
| F-24G | F-115 | 3 | F-150D | F-11LC | F-2376 | No. 78D-1600 ohm | No. 53-5 bar alternating | 28 | 28C-½MF | 5 |
| F-81G | F-115 | 3 | F-150D | F-11LC | F-2411 | No. 78G-2500 ohm | No. 53-5 bar alternating | 28 | 28C-½MF | 5 |

TELEPHONES

Common Battery Steel Residence Type

Induction Coil Circuit

Straight Line Ringer



No. 742-SA
Fig. No. 2525

| Code No. | Code | Ringer Ohms Res. | Trans. | Arm | Hook Switch | Ind. Coil | Cond. | Rec. | Remarks |
|----------|------|---------------------|--------|-----|----------------|--------------|-------|-------|------------------------|
| 742-SA | 84-A | 1000 | 64-C | 39 | 113 | 79-A | 16 | 41-A | Ringer to ground post. |
| F742-SA | 84-A | 1000 | 64-C | 39 | 113 | 79-A | 16 | F41-A | Ringer to ground post. |

Biased Ringers

| | | | | | | | | | |
|---------|------|------|------|----|-----|------|----|-------|------------------------|
| 742-BA | 79-A | 1000 | 64-C | 39 | 113 | 79-A | 16 | 41-A | Ringer to ground post. |
| F742-BA | 79-A | 1000 | 64-C | 39 | 113 | 79-A | 16 | F41-A | Ringer to ground post. |

Harmonic Ringers

| | | | | | | | | | |
|---------|------|---------|------|----|-----|------|----|-------|------------------------------|
| 742-HA | 72-A | 4-party | 64-C | 39 | 113 | 79-A | 16 | 41-A | Ringer to ground post. |
| F742-HA | 72-A | 4-party | 64-C | 39 | 113 | 79-A | 16 | F41-A | Ringer to ground post. |
| 742-HB | 73-A | 4-party | 64-C | 39 | 113 | 79-A | 16 | 41-A | Ringer to ground post. |
| F742-HB | 73-A | 4-party | 64-C | 39 | 113 | 79-A | 16 | F41-A | Ringer to ground post. |
| 736 | 72-A | 4-party | 64-C | 39 | 114 | 79-A | 16 | 41-A | Arranged for automatic dial. |
| F736 | 72-A | 4-party | 64-C | 39 | 114 | 79-A | 16 | F41-A | Arranged for automatic dial. |

Series Circuit

Vibrating Ringer

| | | | | | | | | | |
|------|------|----|------|----|-----|-------|------|-------|------------------------|
| 755 | 49-A | 50 | 64-C | 39 | 111 | ..... | .... | 36-A | Ringer to ground post. |
| F755 | 49-A | 50 | 64-C | 39 | 111 | ..... | .... | F36-A | Ringer to ground post. |

COMMON BATTERY GRABAPHONE EXTENSION SETS

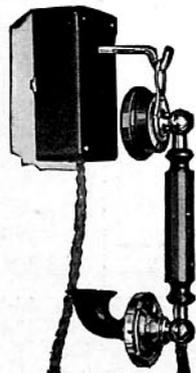


Fig. No. 2526

Retardation Coil Circuit

| Code No. | Hook Switch | Retard. Coil | Cond. | Grabaphone | Remarks |
|----------|-------------|--------------|-------|------------|---------------------|
| 732 | 98 | 18-A | 10 | 12-C | |
| F732 | 98 | 58-A | 10 | F12-C | |
| 772 | 123 | 18-A | 10 | 12-C | Inter. Com. System. |
| F772 | 123 | 58-A | 10 | F12-C | Inter. Com. System. |

Induction Coil Circuit

| | | | | |
|------|----|------|----|-------|
| 722 | 98 | 79-A | 62 | 12-C |
| F722 | 98 | 79-A | 62 | F12-C |

TELEPHONES

Induction Coil Circuit

Straight Line Ringer

| Code No. | Ringer Code No. | Ohms Res. | Hook Switch | Ind. Coil | Condenser | Graba- phone |
|----------|-----------------|-----------|-------------|-----------|-----------|-----------------|
| 9742SA | 84-A | 1000 | 116 | 79-A | 16 | 12-C |
| F-9742SA | 84-A | 1000 | 116 | 79-A | 16 | F12-C |

Biased Ringer

| | | | | | | |
|----------|-------|------|-----|------|----|-------|
| 9742BA | 79-A | 1000 | 116 | 79-A | 16 | 12-C |
| F-9742BA | 79-A. | 1000 | 116 | 79-A | 16 | F12-C |

Harmonic Ringer

| | | | | | | |
|----------|------|---------|-----|------|----|-------|
| 9742HA | 72-A | 4 party | 116 | 79-A | 16 | 12-C |
| F-9742HA | 72-A | 4 party | 116 | 79-A | 16 | F12-C |
| 9742HB | 73-A | 4 party | 116 | 79-A | 16 | 12-C |
| F-9742HB | 73-A | 4 party | 116 | 79-A | 16 | F12-C |



No. 9742-SA
Fig. No. 2527



No. 118-SF
Fig. No. 2528

Common Battery Desk Sets

Desk Stand Type

Induction Coil in Base of Stand

Straight Line Ringer—Condenser

| Set Code No. | Desk Stand | | | | Desk Set Box | | | | Cond. | Ind. Coil |
|--------------|-----------------|--------|--------|-------------|--------------|-----------|--------|------------------|--------|-----------|
| | Conduc- tors | D. S. | Rec. | Rec. Trans. | Cond. | Ind. Coil | Code | Ringer | | |
| 97SF | 97 2 | 100D | 98TR | 41A 64C | 53-2MF | 51A | 75SA | No. 86A-1000 ohm | 12-1MF | |
| F-97SF | F-97 2 | F-100D | F-98TR | F-41A 64C | 53-2MF | F-51A | F-75SA | No. 86A-1000 ohm | 12-1MF | |

Biased Ringer—Condenser

| | | | | | | | | | | |
|--------|--------|--------|--------|-----------|--------|-------|--------|------------------|--------|--|
| 97BF | 97 2 | 100D | 98TR | 41A 64C | 53-2MF | 51A | 75BA | No. 85B-1000 ohm | 12-1MF | |
| F-97BF | F-97 2 | F-100D | F-98TR | F-41A 64C | 53-2MF | F-51A | F-75BA | No. 85B-1000 ohm | 12-1MF | |

Harmonic Ringer—Condenser

| | | | | | | | | | | |
|---------|--------|--------|--------|-----------|--------|-------|--------|---|--------|--|
| 97HAF | 97 2 | 100D | 98TR | 41A 64C | 53-2MF | 51A | 75HA | No. 87A-16 $\frac{2}{3}$ -33 $\frac{1}{3}$ -50-66 $\frac{2}{3}$ | 12-1MF | |
| F-97HAF | F-97 2 | F-100D | F-98TR | F-41A 64C | 53-2MF | F-51A | F-75HA | No. 87A-16 $\frac{2}{3}$ -33 $\frac{1}{3}$ -50-66 $\frac{2}{3}$ | 12-1MF | |
| 97HBF | 97 2 | 100D | 98TR | 41A 64C | 53-2MF | 51A | 75HB | No. 88A-30 -42 -54-66 | 12-1MF | |
| F-97HBF | F-97 2 | F-100D | F-98TR | F-41A 64C | 53-2MF | F-51A | F-75HB | No. 88A-30 -42 -54-66 | 12-1MF | |

Induction Coil in Desk Set Box

Straight Line Ringer—Condenser

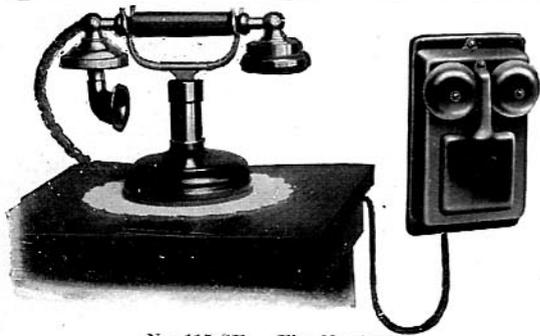
| | | | | | | | | | |
|---------|---------|--------|--------|-----------|--|---------|------------------|--------|-----|
| 118SF | 118 3 | 452D | 98TR | 41A 64C | | 404-SA | No. 86A-1000 ohm | 16-2MF | 79A |
| F-118SF | F-118 3 | F-452D | F-98TR | F-41A 64C | | F404-SA | No. 86A-1000 ohm | 16-2MF | 79A |

Biased Ringer—Condenser

| | | | | | | | | | |
|---------|---------|--------|--------|-----------|--|---------|------------------|--------|-----|
| 118BF | 118 3 | 452D | 98TR | 41A 64C | | 404BA | No. 85B-1000 ohm | 16-2MF | 79A |
| F-118BF | F-118 3 | F-452D | F-98TR | F-41A 64C | | F-404BA | No. 85B-1000 ohm | 16-2MF | 79A |

Harmonic Ringer—Condenser

| | | | | | | | | | |
|----------|---------|--------|--------|-----------|--|---------|---|--------|-----|
| 118HAF | 118 3 | 452D | 98TR | 41A 64C | | 404HA | No. 87A-16 $\frac{2}{3}$ -33 $\frac{1}{3}$ -50-66 $\frac{2}{3}$ | 16-2MF | 79A |
| F-118HAF | F-118 3 | F-452D | F-98TR | F-41A 64C | | F-404HA | No. 87A-16 $\frac{2}{3}$ -33 $\frac{1}{3}$ -50-66 $\frac{2}{3}$ | 16-2MF | 79A |
| 118HBF | 118 3 | 452D | 98TR | 41A 64C | | 404HB | No. 88A-30 -42 -54-66 | 16-2MF | 79A |
| F-118HBF | F-118 3 | F-452D | F-98TR | F-41A 64C | | F-404HB | No. 88A-30 -42 -54-66 | 16-2MF | 79A |



TELEPHONES

Common Battery Desk Sets

Grabaphone Type—
Induction Coil Circuit

Straight Line Ringer—
Condenser

No. 115-SF Fig. No. 2529

| Set Code No. | Desk Stand Conductors-Cord | | Grabaphone Code | Desk Set Box Ringer | | Cond. | Ind. Coil |
|--------------|----------------------------|----------|-----------------|---------------------|------------------|------------|-----------|
| | Code | Cord | | Code | Ringer | | |
| 115SF | 115A | 3 452D | 11C | 404SA | No. 86A-1000 ohm | No. 16-2MF | No. 79A |
| F-115SF | F-115A | 3 F-452D | F-11C | F-404SA | No. 86A-1000 ohm | No. 16-2MF | No. 79A |

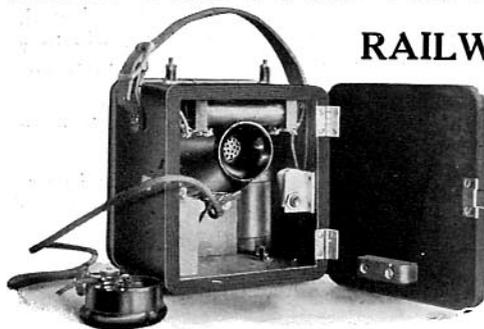
Biased Ringer—Condenser

| | | | | | | | |
|---------|--------|----------|-------|---------|------------------|------------|---------|
| 115BF | 115A | 3 452D | 11C | 404BA | No. 85B-1000 ohm | No. 16-2MF | No. 79A |
| F-115BF | F-115A | 3 F-452D | F-11C | F-404BA | No. 85B-1000 ohm | No. 16-2MF | No. 79A |

Harmonic Ringer—Condenser

| | | | | | | | |
|----------|--------|----------|-------|---------|---|------------|---------|
| 115HAF | 115A | 3 452D | 11C | 404HA | No. 87A-16 $\frac{2}{3}$ -33 $\frac{1}{3}$ -50-66 $\frac{2}{3}$ | No. 16-2MF | No. 79A |
| F-115HAF | F-115A | 3 F-452D | F-11C | F-404HA | No. 87A-16 $\frac{2}{3}$ -33 $\frac{1}{3}$ -50-66 $\frac{2}{3}$ | No. 16-2MF | No. 79A |
| 115HBF | 115A | 3 452D | 11C | 404HB | No. 88A-30 -42 -54-66 | No. 16-2MF | No. 79A |
| F-115HBF | F-115A | 3 F-452D | F-11C | F-404HB | No. 88A-30 -42 -54-66 | No. 16-2MF | No. 79A |

RAILWAY TELEPHONES



No. 2731
Fig. No. 2530

Portable Sets

| Code No. | Trans. | Ind. Coil | Ret. Coil | Push Cond. | Button | Rec. |
|-----------------|----------|-----------|-----------|------------|--------|------|
| 2731 | | | | | | |
| Birch Mah'g. | 22-L | 28-C | | 28 | 4 | 46-A |
| 2866 | 22-L | | | | | |
| Birch Mah'g. PC | No. 6092 | 66-A | 16-C | 99 | 4&14 | 46-A |
| F2731 | 22-L | 28-C | | 28 | 4 | 46-A |
| F2866 | 22-L | 66-A | 16-C | 99 | 4&14 | 46-A |

Dispatching Sets

Wall Type—Straight Line Ringers



No. 2869
Fig. No. 2531

| Code No. | Ringer Res. | Code | Gen. | Trans. | Arm | Hook Switch | Ind. Coil | Retard Coil | Push Cond. | Button | Rec. |
|----------|-------------|------|------|--------|-----|-------------|-----------|-------------|------------|--------|-------|
| 2735 | 2500 | 78-G | 53 | 22-L | 20 | 63 | 28-C | 30-F | 34 | 27 | 41-A |
| 2840 | 1600 | 78-D | 22 | 22-L | 20 | 63 | 28-C | 1Q Resis. | 25 | 14 | 41-A |
| F2869 | | | | 22-L | 42 | 99 | 66-A | 16-C | 2-25 | | |
| F2885 | 1600 | 78-D | 22 | 22-L | 41 | 103 | 28-C | 1Q Resis. | 25 | 14 | F41-A |
| 2886 | 2500 | 78-G | 53 | 22-L | 41 | 103 | 28-C | 30-F | 34 | 27 | F41-A |
| | | | | | | | | 30-G | 37 | | |

Residence Type—No Ringer

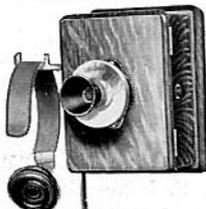
| | | | | | | | | |
|-------|------|----|-----|------|------------|----|----|------|
| F2870 | 64-L | 41 | 109 | 28-C | 4-L Resis. | 25 | 14 | 46-A |
|-------|------|----|-----|------|------------|----|----|------|

Wall Type Insulated

| | | | | | | | | |
|-------|------|------|----|-------|----|------|--|-------|
| F2744 | 1600 | 78-D | 53 | 22-LC | 73 | 28-C | | F41-A |
|-------|------|------|----|-------|----|------|--|-------|

DISPLAY PANEL

The display panel consists of the apparatus specified, mounted upon hard wood and wired up according to our standard circuits. This makes an ideal arrangement for demonstration purposes and can be used in exchanges as well as class rooms.



No. 2870
Fig. No. 2532

| | | | | | | | | |
|-------|------|------|----|-------|----|-----|------|-------|
| F2887 | 1600 | 78-D | 53 | 22-LC | 42 | 103 | 28-C | F41-A |
|-------|------|------|----|-------|----|-----|------|-------|

DESK STANDS



Standard Desk Stand.

Fig. No. 2533

The Kellogg desk stand has been carefully designed to reduce maintenance to a minimum. It is graceful in appearance and light enough in weight to handle with ease, is sufficiently rugged to withstand ordinary knocks and continuous service. It is the only one on the market that is provided with a perfect transmitter adjustment which never requires attention. The transmitter back does not become loose on its mounting, as it is part of the lug.

The capital is non-breakable and holds the transmitter securely in any position. Instead of using an ordinary japan finish over the upright which always chips or wears off, a heavy Kellogg Bakelite protection tube is used, insuring a lasting finish that does not discolor, crack or chip.

The base is of steel, treated to prevent rusting after which it is given a heavy coat of dull, black enamel. It is equipped with a heavy felt ring which is securely held in a groove, encircling the outer edge of the base. This felt is securely held in position by prongs and protects the furniture as well as absorbing the shock of the impact when the stand is slammed down on the table.

The springs are of German silver equipped with platinum contacts, and with the connecting rack are located in an accessible manner in the base. The hookswitch has a very short action, yet a free movement of the contact springs is effected. All corners and sharp edges are rounded off, and the hook fork so formed that the receiver does not fall off should the stand be tilted. The standard finish is in a permanent black enamel with the exception of the hookswitch and transmitter which are nickel plated.

The superiority of this stand has caused the leading telephone companies to adopt it as a standard for long distance, as well as local work.

No rattle to hookswitch. Weight is in the right place. Accessibility and practicability in arrangement of the apparatus in base of stand. Absolute, unequalled transmission for either short or long distances.

Magneto Type

| Code No. | Conductors | Spring Arrangement | Cords | | Rec. | Trans. | Where Used |
|----------|------------|--------------------|---------|---------|---------|--------|-------------------|
| | | | D. S. | Rec. | | | |
| F28 | 4 | | F102-D | F98-TR | F41-A | 64-LC | Magneto boxes. |
| 67 | 4 | | 102-D | 98-TR | 46 Type | 64-L | Dispatching sets. |
| F67 | 4 | | F102-D | F98-TR | 46 Type | 64-L | Dispatching sets. |
| 84 | 3 | | 150-D | 98-TR | 41-A | 64-LC | Magneto boxes. |
| F84 | 3 | | F150-D | F98-TR | F41-A | 64-LC | Magneto boxes. |
| 85-B | 4 | | 241-RD | 242-RTR | 41-A | 64-L | Dispatching sets. |
| F85-B | 4 | | F241-RD | 248-RTR | F41-A | 64-L | Dispatching sets. |
| 90-A | 4 | | 102-D | 98-TR | 41-A | 64-L | Dispatching sets. |
| F90-A | 4 | | F102-D | F98-TR | F41-A | 64-L | Dispatching sets. |

Common Battery Type

| Code No. | Conductors | Spring Arrangement | Coils | Con-denser | Cords | | Rec. | Trans. | Where Used |
|----------|------------|--------------------|-----------|------------|---------|-------|-------|--------|-----------------------------------|
| | | | | | D. S. | Rec. | | | |
| 39 | 2 | | 16-A ret. | 10 | 100-D | 98-TR | 41-A | 64-C | No. 75 and No. 259 D. S. boxes. |
| F39 | 2 | | 16-A ret. | 10 | F100-DF | 98-TR | F41-A | 64-C | No. F75 and No. F259 D. S. boxes. |
| 64 | 4 | | 16-A ret. | 10 | 102-D | 98-TR | 41-A | 64-C | Inter. Com. sets. |
| F64 | 4 | | 16-A ret. | 10 | F102-DF | 98-TR | F41-A | 64-C | Inter. Com. sets. |

DESK STANDS—Common Battery Type

| Code No. | Cond. | Spring Arrangements | Coils | Con-densers | Cords | | Rec. | Trans. | Where Used |
|----------------------|-------|---------------------|------------|-------------|--------|---------|-------|--------|---|
| | | | | | D. S. | Rec. | | | |
| 97 | 2 | ..... | 51-A Ind. | 53 | 100-D | 98-TR | 41-A | 64-C | No. 75 & No. 259 D. S. boxes. |
| F97 | 2 | ..... | F51-A Ind. | 53 | F100-D | F98-TR | F41-A | 64-C | No. F75 & No. F259 D. S. boxes. |
| 97-B | 4 | ..... | 51-A Ind. | 53 | 246-D | 196-TR | 41-A | 64-C | |
| F97-B | 4 | ..... | F51-A Ind. | 53 | F246-D | F196-TR | F41-A | 64-C | |
| 118 | 3 | ..... | ..... | .... | 452-D | 98-TR | 41-A | 64-C | No. 404 & No. 257 D. S. boxes. |
| F118 | 3 | ..... | ..... | .... | F452-D | F98-TR | F41-A | 64-C | No. F404 & No. F257 D. S. boxes. |
| 118-B | 3 | ..... | ..... | .... | 452-D | 98-TR | 41-A | 64-C | No. 404 & 257. D. S. boxes. |
| F118-B | 3 | ..... | ..... | .... | F452-D | F98-TR | F41-A | 64-C | No. F404 & F257 D. S. boxes. |
| Miscellaneous | | | | | | | | | |
| 75 | 2 | ..... | ..... | .... | 100-D | 98-TR | 36-A | 64-C | Direct current sets. |
| F75 | 2 | ..... | ..... | .... | F100-D | F98-TR | F36-A | 64-C | Direct current sets. |
| 94 | 3 | ..... | ..... | .... | 101-D | 98-TR | 41-A | 64-C | Dial switch in base for auto-matic sets. |
| F94 | 3 | ..... | ..... | .... | F101-D | F98-TR | F41-A | 64-C | Dial switch in base for auto-matic sets. |
| 126 | 4 | ..... | ..... | .... | 102-D | 98-TR | 41-A | 64-C | Dial switch in base used with No 412 DS box. |
| F126 | 4 | ..... | ..... | .... | F102-D | F98-TR | F41-A | 64-C | Dial switch in base used with No. F412 DS box |
| F127 | 4 | ..... | ..... | .... | F102-D | F98-TR | F41-A | 64-C | Dial switch in base used with No. F413 DS box |



GRABAPHONE STANDS

Standard Type

| Fig. No. 2534 | | | | | | | | | |
|---------------|-------------|---------------------|--------|-----------------|-------|---|--|--|--|
| Code No. | Con-ductors | Spring Ar-rangement | Cords | Coil Type & No. | Cond. | Where Used | | | |
| 11 | 2 | ..... | 100-D | 16-A ret. | 10 | No. 75 & No. 259 D. S. boxes. | | | |
| F111 | 2 | ..... | F100-D | 16-A ret. | 10 | No. 11-C grabaphones. | | | |
| 115 | 3 | ..... | 150-D | ..... | .... | No. F75 & No. F259 D. S. boxes. | | | |
| F115 | 3 | ..... | F150-D | ..... | .... | No. F11-C grabaphones. | | | |
| 115-A | 3 | ..... | 452-D | ..... | .... | No. 404 & 257 D. S. boxes. | | | |
| F115-A | 3 | ..... | F452-D | ..... | .... | No. 11-C grabaphones and magneto boxes. | | | |
| F121 | 4 | ..... | F102-D | 16-A ret. | 10 | No. F404 and F257 and magneto boxes. | | | |
| | | | | | | No. F11-LC grabaphones and magneto boxes. | | | |
| | | | | | | Used with W. E. Co. boxes. | | | |
| | | | | | | No. 11-C grabaphones. | | | |
| | | | | | | Used with W. E. Co. boxes. | | | |
| | | | | | | No. F11-C grabaphones. | | | |
| | | | | | | Used with Inter. Com. sets No. F11-C grabaphones. | | | |

Unit Type

| Code No. | Con-ductors | Spring Ar-rangement | Cord | Coil Type & No. | Cond. | Code | Ringer | Res. | Where Used |
|----------|-------------|---------------------|--------|-----------------|-------|-------|--------|------|-----------------------------|
| 110-SA | 3 | ..... | 150-D | 52-A Ind. | 96 | 65-A | 1000 | 1000 | With No. 11-C. Grabaphone. |
| F110-SA | 3 | ..... | F150-D | F52-A Ind. | 96 | 65-A | 1000 | 1000 | With No. F11-C Grabaphone. |
| 110-BA | 3 | ..... | 150-D | 52-A | 96 | 100-A | 1000 | 1000 | With No. 11-C. Grabaphone. |
| F110-BA | 3 | ..... | F150-D | F52-A | 96 | 100-A | 1000 | 1000 | With No. F11-C. Grabaphone. |
| F120-SA | 3 | ..... | F150-D | 42-A ret. | 103 | 65-A | 1000 | 1000 | With No. F11-C. Grabaphone. |
| F150-BA | 3 | ..... | F150-D | 42-A ret. | 103 | 100-A | 1000 | 1000 | With No. F11-C. Grabaphone. |

DESK SET BOXES

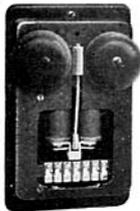
Common Battery



No. 75 Type
Fig. No. 2535

Kellogg Desk Stand Boxes are extra compact, requiring small mounting space. The steel boxes are of pressed steel, heavily enameled, and present a very fine appearance. The wood boxes are made of the same heavy quartered oak used in making Kellogg telephones, with the same high grade finish. All apparatus is arranged in the most practical and accessible manner. The gongs are heavily black enameled.

The 75 type Desk Stand Box is of pressed steel, heavily black enameled, and is especially desirable where the mounting space is limited. The removal of one screw releases the cover, exposing the binding posts, ringer and cord connecting rack. The removal of one screw permits the removal of the box from the mounting plate, which is attached to the wall, giving access to all apparatus contained in the box.



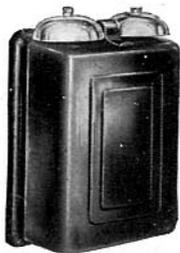
Open View
No. 75 Type
Fig. No. 2536

The following codes of this type desk set box are used with No. 97 and No. 39 Desk Stand and 111 Grabaphone set. They contain a 1 M. F. Condenser and ringer.

| Code | Ringer |
|--------|---|
| F-75SA | 86-A 1000 Ohm Straight Line. |
| F-75SC | 86-C 500 Ohm Straight Line. |
| F-75BA | 85-B 1000 Ohm Biased. |
| F-75BC | 85-C 500 Ohm Biased. |
| F-75HB | 88-A Four Party Harmonic 30, 42, 54, 66 Cycles. |
| F-75HA | 87-A Four Party Harmonic 16 $\frac{2}{3}$, 33 $\frac{1}{3}$, 50, 66 $\frac{2}{3}$ Cycles. |
| F-75HC | 89-A Two Party Harmonic 20, 60 Cycles. |

The following codes are used with our No. 118 Desk Stand and No. 115 Grabaphone Set. These boxes contain a No. 79 Induction Coil, a 2 M. F. Condenser and Ringer.

| Code | Ringer |
|---------|---|
| F-404SA | 86-A 1000 Ohm Straight Line. |
| F-404BA | 85-B 1000 Ohm Biased. |
| F-404HB | 88-A Four Party Harmonic 30, 42, 54, 66 Cycles. |



No. 259 Type
Fig. No. 2537

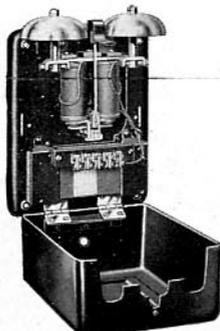
The 259 type Desk Stand Box is of pressed steel, and very popular, although somewhat larger than the 75 type, it is compact and pleasing in appearance. The cover is attached with hinges, which are located at the bottom. The release of the spring catch which also forms the Tapper Guard, permits the swinging down of the cover, exposing all apparatus.

The following codes are used with the No. 97 and No. 39 Desk Stands and No. 111 Grabaphone Set. They contain a 1 M. F. Condenser and Ringer.

| Code | Ringer |
|---------|--|
| F-259SA | 84-A 1000 Ohm Straight Line. |
| F-259BA | 79-A 1000 Ohm Biased. |
| F-259HB | 73-A Four Party Harmonic, 30, 42, 54, 60 Cycles. |

The following codes are used with No. 118 Desk Stand and 115 Grabaphone Set. They contain a number 79-A Induction Coil and two M. F. Condenser and ringer.

| Code | Ringer |
|---------|---|
| F-257SA | 84-A 1000 Ohm Straight Line. |
| F-257BA | 79-A 1000 Ohm Biased. |
| F-257HB | 73-A Four Party Harmonic 30, 42, 54, 66 Cycles. |



Open View
No. 259 Type
Fig. No. 2538

DESK SET BOXES

Common Battery

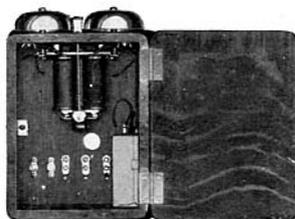


No. 408 Type
Fig. No. 2539

The No. 408 Type Desk Set box is of quartered oak, with Kellogg high grade finish. It is light in weight, compact, handsome in appearance, and is a popular box, where the wood type is desired.

The following codes are used with the No. 97 and No. 39 Desk Stands, and No. 111 Grabaphone Sets. They contain a 1 M. F. Condenser and Ringer.

| Code | Ringer |
|----------|---|
| F-408-SA | 84-A 1000 ohm straight line. |
| F-408-SC | 84-C 500 ohm straight line. |
| F-408-BA | 79-A 1000 ohm biased. |
| F-408-BC | 79-C 500 ohm biased. |
| F-408-HA | 72-A 4 party Harmonic, 16, 33, 50, 66 cycles. |
| F-408-HB | 73-A 4 party Harmonic, 30, 42, 54, 66 cycles. |
| F-408-HC | 74-A 2 party Harmonic, 20, 60 cycles. |



Open View
No. 408 Type
Fig. No. 2540

The following codes are used with the No. 118 Desk Stand and No. 115 Grabaphone Set. They contain a No. 79-A Induction Coil and 2 M. F. Condenser and Ringer.

| Code | Ringer |
|----------|---|
| F-407-SA | 84-A 1000 ohm straight line. |
| F-407-SC | 84-C 500 ohm straight line. |
| F-407-BA | 79-A 1000 ohm biased. |
| F-407-BC | 79-C 500 ohm biased. |
| F-407-HA | 72-A 4 party Harmonic, 16, 33, 50, 66 cycles. |
| F-407-HB | 73-A 4 party Harmonic, 30, 42, 54, 66 cycles. |
| F-407-HC | 74-A 2 party Harmonic, 20, 60 cycles. |

Magneto

Kellogg Magneto Desk Set Boxes are extra compact, and convertible to common battery. The cabinet is made of heavy quartered oak, with our standard golden oak finish. All apparatus is securely mounted in the most practical manner. The exposed parts are heavily black enameled. All Magneto Desk Stand Boxes are equipped with our No. 3 Lightning Arrester and standard connecting rack.

The following coded boxes are equipped with condenser, induction coil, generator, and ringer, as indicated below.

These boxes are used with our No. 84 desk set and No. 115 Grabaphone.



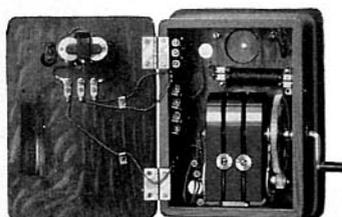
No. 2328
Fig. No. 2541

STRAIGHT LINE RINGER WITH NO. 28-C INDUCTION COIL— NO CONDENSERS

| Code No. | Ringer | Generator |
|----------|-------------------|--------------------------|
| F-2328 | No. 78-A 1000 ohm | No. 15 3 Bar Alternating |
| F-2361 | No. 78-D 1600 ohm | No. 53 5 Bar Alternating |
| F-2362 | No. 78-G 2500 ohm | No. 53 5 Bar Alternating |
| F-2409 | No. 78-A 1000 ohm | No. 15 3 Bar Alternating |

WITH NO. 28, 1/2 M. F. CONDENSER IN RECEIVER CIRCUIT— NO. 28 INDUCTION COIL

| | | |
|--------|-------------------|--------------------------|
| F-2363 | No. 78-A 1000 ohm | No. 15 3 Bar Alternating |
| F-2364 | No. 78-D 1600 ohm | No. 15 3 Bar Alternating |
| F-2365 | No. 78-G 2500 ohm | No. 15 3 Bar Alternating |
| F-2366 | No. 78-A 1000 ohm | No. 22 4 Bar Alternating |
| F-2367 | No. 78-D 1600 ohm | No. 22 4 Bar Alternating |



Open View
No. 2328
Fig. No. 2542

DESK SET BOXES

Magneto With No. 28, 1/2 M. F. Condenser—No. 28C Induction Coil

| Code | Ringer | Generator |
|--------|-------------------|---------------------------|
| F-2368 | No. 78-G 2500 ohm | No. 22 4-Bar Alternating. |
| F-2369 | No. 78-A 1000 ohm | No. 53 5-Bar Alternating. |
| F-2370 | No. 78-D 1600 ohm | No. 53 5-Bar Alternating. |
| F-2371 | No. 78-G 2500 ohm | No. 53 5-Bar Alternating. |
| F-2388 | No. 78-A 1000 ohm | No. 19 3-Bar Pulsating. |
| F-2379 | No. 78-D 1600 ohm | No. 19 3-Bar Pulsating. |
| F-2378 | No. 78-A 1000 ohm | No. 23 4-Bar Pulsating. |
| F-2389 | No. 78-D 1600 ohm | No. 23 4-Bar Pulsating. |
| F-2390 | No. 78-D 1600 ohm | No. 55 5-Bar Pulsating. |

Biased Ringer—No. 28C Induction Coil—No Condenser

| | | |
|--------|-------------------|---------------------------|
| F-2327 | No. 79-A 1000 ohm | No. 15 3-Bar Alternating. |
| F-2372 | No. 79-G 2500 ohm | No. 15 3-Bar Alternating. |

Selective Harmonic Ringer—No. 28C Induction Coil—No Condenser

| | | |
|--------|------------------|---|
| F-2326 | No. 73-A 4-Party | No. 15 3-Bar Alternating. |
| F-2410 | No. 73-A 4-Party | No. 15 3-Bar Alternating (no Ind. Coil) |

Selective Harmonic Ringer—With No. 10 and No. 28, 1/2 M. F. Condenser—No. 28C Induction Coil

| | | |
|--------|------------------|-------------------------|
| F-2394 | No. 72-A 4-Party | No. 66 3-Bar Pulsating. |
|--------|------------------|-------------------------|

Straight Line Ringer—Condenser and Push Button for Grounded Signalling—No. 28C Induction Coil

| | | |
|--------|-------------------|---------------------------|
| F-2376 | No. 78-D 1600 ohm | No. 53 5-Bar Alternating. |
| F-2386 | No. 78-A 1000 ohm | No. 15 3-Bar Alternating. |
| F-2411 | No. 78-G 2500 ohm | No. 53 5-Bar Alternating. |

Straight Line Ringer—Condenser and Push Button for Secret Signalling—No. 28C Induction Coil

| | | |
|--------|-------------------|---|
| F-2374 | No. 78-D 1600 ohm | No. 59 5-Bar Pulsating and Alternating. |
| F-2375 | No. 78-D 1600 ohm | No. 26 4-Bar Pulsating and Alternating. |
| F-2384 | No. 78-A 1000 ohm | No. 31 3-Bar Pulsating and Alternating. |
| F-2385 | No. 78-A 1000 ohm | No. 26 4-Bar Pulsating and Alternating. |

Straight Line Ringer—No. 28C Induction Coil—No Condenser—Not Convertible

| | | |
|--------|-------------------|---------------------------|
| F-2397 | No. 78-A 1000 ohm | No. 15 3-Bar Alternating. |
| F-2398 | No. 78-G 2500 ohm | No. 53 5-Bar Alternating. |

Desk Set Boxes for Railway Dispatching Service

These boxes are of the same construction as our standard Magneto Desk Stand Boxes. They are equipped with binding post for attaching an additional push button or key if required.

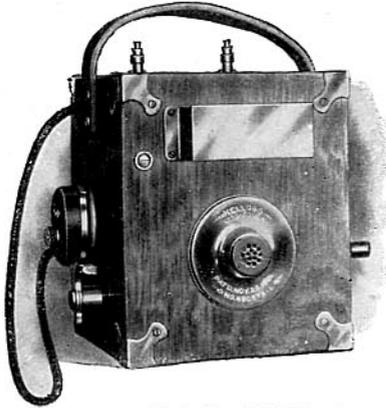
| Code | Generators | Retard Coil | Condenser | Induction Coil | Push Button | Ringer |
|--------|--------------|-----------------|-----------|----------------|-------------|---------------|
| F-2416 | No. 53 5-Bar | 30-F, 30-G | 12 | 28-C | 26 | |
| F-2417 | No. 15 3-Bar | 30-F, 30-G | 12 | 28-C | 26 | |
| F-2418 | No. 53 5-Bar | 4-L Resis. Coil | 25 | 28-C | 14 | |
| F-2419 | | | 25 | 28-C | | |
| F-2402 | | 30-G | 25-28 | 66-A | 14 | |
| F-2422 | No. 74 3-Bar | 4-L Resis. Coil | 25 | 28-C | 14 | 78-G 2500 ohm |

TEST SETS

Kellogg Test Sets are compact, light in weight and properly proportioned so as to be easy to carry. The durable cabinet is reinforced with steel plates at each corner. The standard Kellogg equipment is securely mounted in the most practical manner for the convenience of the line man.

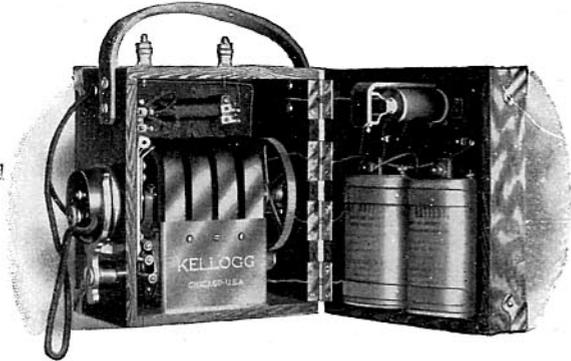
The service furnished by these sets in the World War prove them to be unequalled for reliability and long life.

Any combination of generators and ringers, either series or bridging, furnished promptly to order.



Code No. 1016 Closed
Fig. No. 2543

1003-1007-1008
Measurements
6 $\frac{7}{8}$ " h, 6 $\frac{1}{8}$ " w, 6" d
1001-1010-1016
Measurements
8" h, 7" w, 8 $\frac{3}{8}$ " d



Code No. 1016 Open
Fig. No. 2545

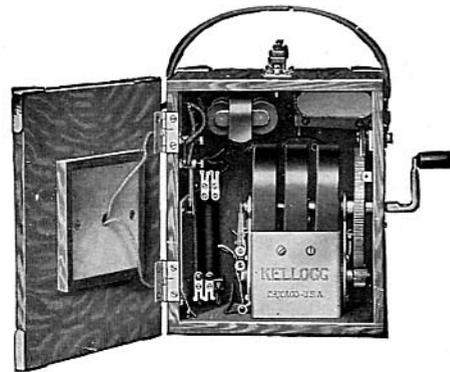
Bridging Type

| Code No. | Generator Code | Generator Bars | Ringer Code | Ringer Ohms | Hook Switch | Rec. | Trans. | Ind. Coil | Keys | Push Button | Oval Dry Cells | Remarks |
|----------|----------------|----------------|-------------|-------------|-------------|-------|--------|-----------|-------|-------------|----------------|-----------------|
| 1001 | 22 | 4 | 18-B | 1000 | 47 | 46-A | 32-L | 1-A | ..... | ..... | 2-No. 703 | |
| 1003 | 15 | 3 | 15-B | 1000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Birch mahogany. |
| 1007 | 15 | 3 | 15-B | 1000 | ..... | ..... | ..... | ..... | ..... | No. 7 | ..... | Birch mahogany. |
| 1010 | 22 | 4 | 18-B | 1000 | 47 | 46-A | 32-L | 1-A | ..... | No. 7 | 2-No. 703 | |
| 1016 | 22 | 4 | 18-C | 1600 | 47 | 46-A | 32-L | 1-A | ..... | ..... | 2-No. 703 | |
| 1021 | 15 | 3 | 66-A | 1000 | 94 | 46-A | 32-L | 28-A | ..... | No. 3 | 2-No. 703 | |



Code No. 1020 Closed
Fig. No. 2544

1020-1021-1022
Measurements
8 $\frac{1}{8}$ " h, 6 $\frac{7}{8}$ " w, 5" d
1019 Measurements
9 $\frac{1}{2}$ " h, 9 $\frac{1}{8}$ " w,
4 $\frac{3}{8}$ " d



Code No. 1020 Open
Fig. No. 2546

Series Type

| | | | | | | | | | | | | |
|------|----|---|------|----|-------|-------|-------|-------|-------|-------|-----------|-------------------------|
| 1008 | 15 | 3 | 15-A | 80 | ..... | ..... | ..... | ..... | ..... | No. 7 | ..... | Birch stained mahogany. |
| 1020 | 15 | 3 | 66-B | 80 | 94 | 46-A | 32-L | 28-A | ..... | No. 3 | 2-No. 703 | |

Universal Type

| | | | | | | | | | | | | |
|------|----|---|------|----|----|------|------|------|-----|--------|-----------|---|
| 1022 | 15 | 3 | 66-B | 80 | 94 | 46-A | 32-C | 28-C | 167 | No. 19 | 2-No. 703 | Sim. to No. 1020, but has 1 No. 28 & 1 No. 62 condenser |
|------|----|---|------|----|----|------|------|------|-----|--------|-----------|---|

Special Type

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|----|------|------|------|-----|-------|-----------|-------------------------|
| 1019 | | | | | 76 | 46-A | 32-L | 35-A | 172 | No. 3 | 6-No. 703 | Birch stained mahogany. |
|------|-------|-------|-------|-------|----|------|------|------|-----|-------|-----------|-------------------------|

Kellogg
Switchboard & Supply Company

Chicago, Ill.

Kansas City, Mo.

Columbus, Ohio

San Francisco, Cal.