

CATALOGUE AND PRICE LIST
NUMBER SEVEN
SIGNAL AND ELECTRIC
DEPARTMENT



SECTION
NUMBER ONE

Crossing Signal Poles
Warning Signs
Vibrating Bells
High Voltage Adapters
Etc.

THE RAILROAD SUPPLY CO.
GENERAL OFFICES AND WORKS
CHICAGO

365

SIGNAL DEPARTMENT
CATALOGUE AND PRICE LIST

PART ONE, NUMBER SEVEN

Crossing Signal Poles and Signs,
Bells, Pole Castings,
High Voltage Adapters

THE RAILROAD SUPPLY COMPANY

HENRY S. HAWLEY
PRESIDENT

E. H. BELL
VICE PRESIDENT

E. W. VOGEL
SIGNAL ENGINEER

J. A. COLBY
AUDITOR

GEN'L OFFICES
Bedford Building
CHICAGO

FACTORY
Carroll Ave. and Robey St.
CHICAGO

BRANCHES

NEW YORK SAN FRANCISCO ST. PAUL
ST. LOUIS DENVER OMAHA

And other principal cities.

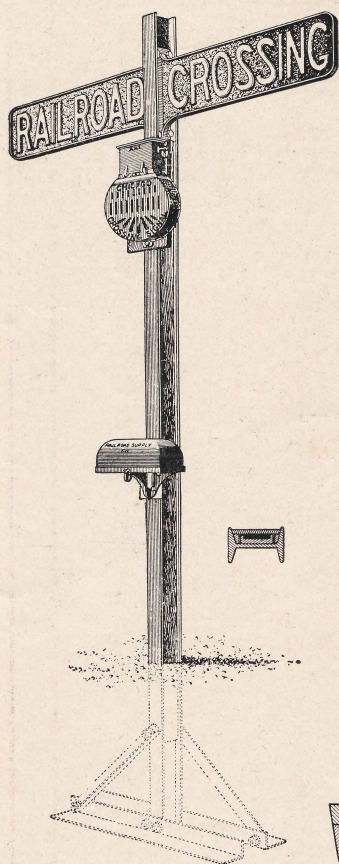
Catalogues and Bulletins

Write for Separate Catalogues and Information on
the following:

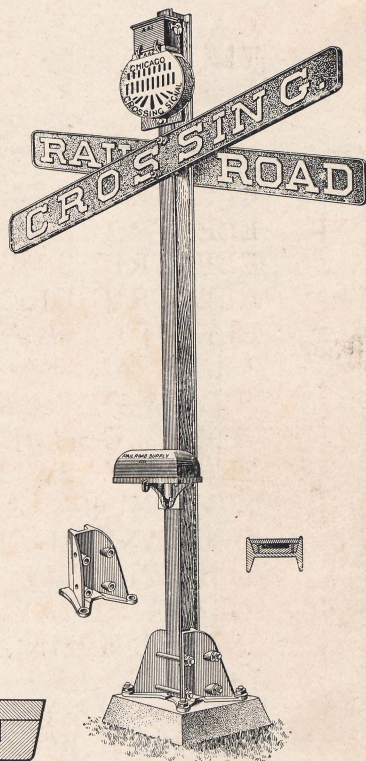
TIE PLATES
DERAILERS
BUMPING POSTS
MISCELLANEOUS TRACK DEVICES
ELECTRIC SEMAPHORE SIGNALS
ELECTRIC DISC SIGNALS
ELECTRIC SEMAPHORE INDICATORS
ELECTRIC DISC INDICATORS
ELECTRIC SIGNAL MATERIAL
TRAIN ANNUNCIATORS
HIGHWAY CROSSING BELLS
SIGNAL COMMUTATORS
ELECTRIC SWITCH LOCKS
LIGHTNING ARRESTERS
MECHANICAL TRAIN ORDER SIGNALS
TIME CIRCUIT BREAKERS
TRACK RELAYS
INTERLOCKING RELAYS
LINE RELAYS
RELAY BOXES
CHANNEL PINS
BOND WIRES
INSULATED JOINTS
BATTERY CHUTES
BATTERY RECEPTACLES
BATTERY ZINCS
BATTERY COPPERS
ETC., ETC.

The Railroad Supply Company
Chicago

Highway Crossing Signals



No. 2000

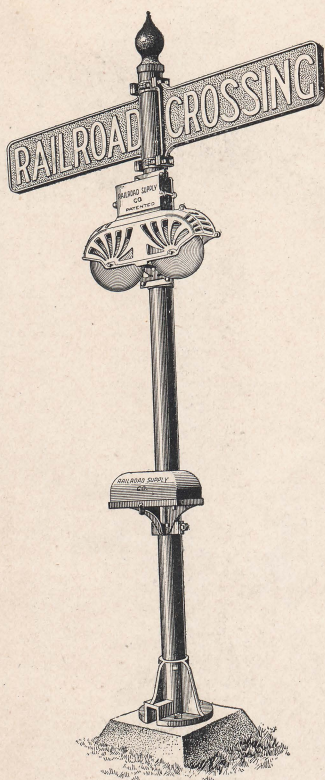


No. 2002

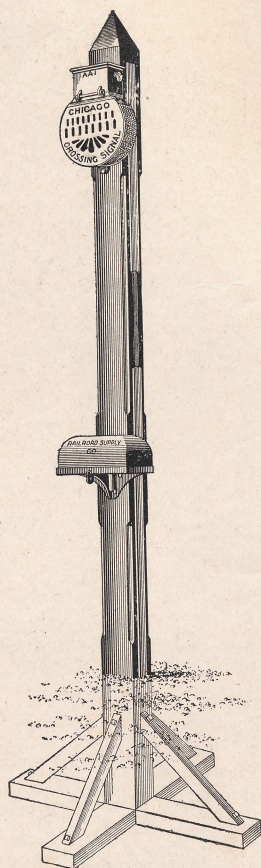
Wire Trunking for
I Beam Poles

We show herewith our Standard Steel Bell Poles made from a strong I beam and equipped with indestructible signs. These poles are furnished drilled and equipped for use with any style of bell and relay box as may be specified. The location of the bells and relay boxes may be changed to suit every requirement. The horizontal style sign pole shown above may be equipped with base casting for fastening on concrete, or the double cross sign pole may be equipped with underground bracing. We claim that these poles and signs make the most durable and neatest highway crossing signal extant. Poles are equipped with wire trunking which allows easy access to the wiring leading to the relays. When ordering give description; which sign and base is to be used, and state the make of crossing bell or relay box to be used.

Highway Crossing Signals



No. 2004



No. 428

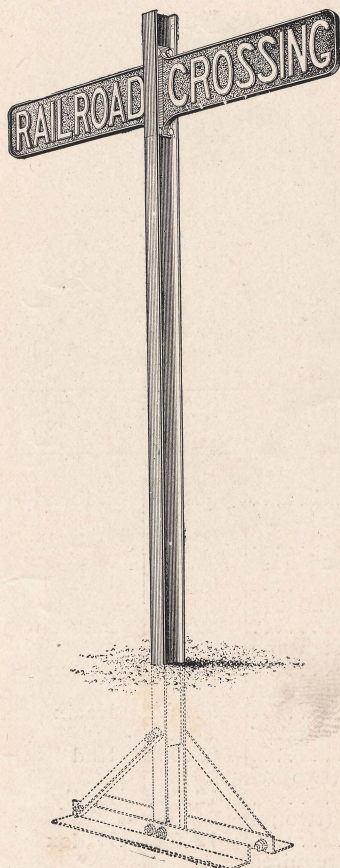
TUBULAR STYLE POLE:

Our Tubular Style Pole has been designed to meet the demand for a round pole in which the wires to the relays and bells are carried within the pole. This, like our Standard I Beam Pole, may also be equipped with either style of sign or base. Clamps Nos. 873-1 and 873-2 provide for the fastening of any style sign, bell or relay box. When ordering specify which style of sign and base wanted, also relay box, and bell to be used, which enables us to properly drill and tap the clamps.

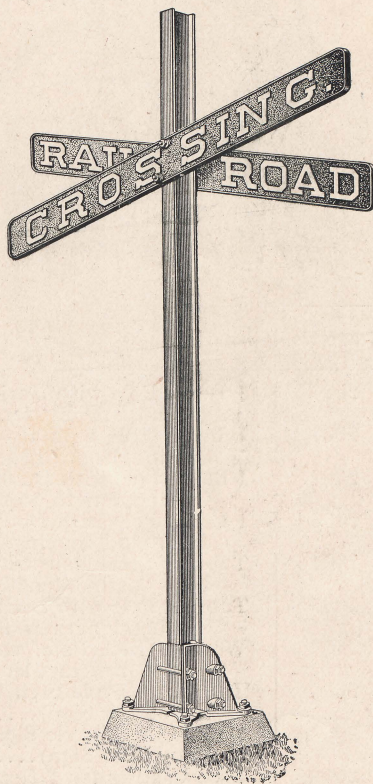
WOOD BELL POLES:

This pole is made from the best lumber, rabbeted for wiring and furnished complete with underground bracing, as shown. When painted same makes an extremely neat pole.

Highway Warning Signs and Posts



No. 2010

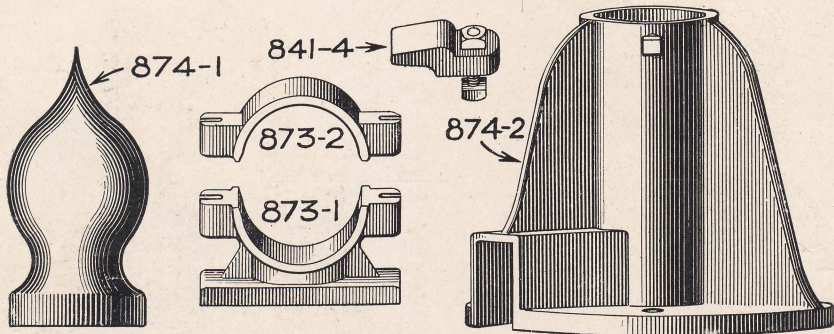


No. 2013

Illustrations show our Horizontal and Double Cross Signs and Poles, (as furnished without drilling or wire trunking, with Highway Crossing Signals). These sign poles are furnished in any combination desired, either for use on concrete with base casting or for setting directly into the ground with underground bracing. In ordering, specify which sign and style base required giving catalogue trade number.

We claim the above poles and signs to make the most durable and neat highway warning signs ever placed upon the market; the pole being made of a strong I beam and signs practically indestructible. The raised lettering on signs allows for the repainting of same by inexperienced painters.

Highway Crossing Signals and Poles

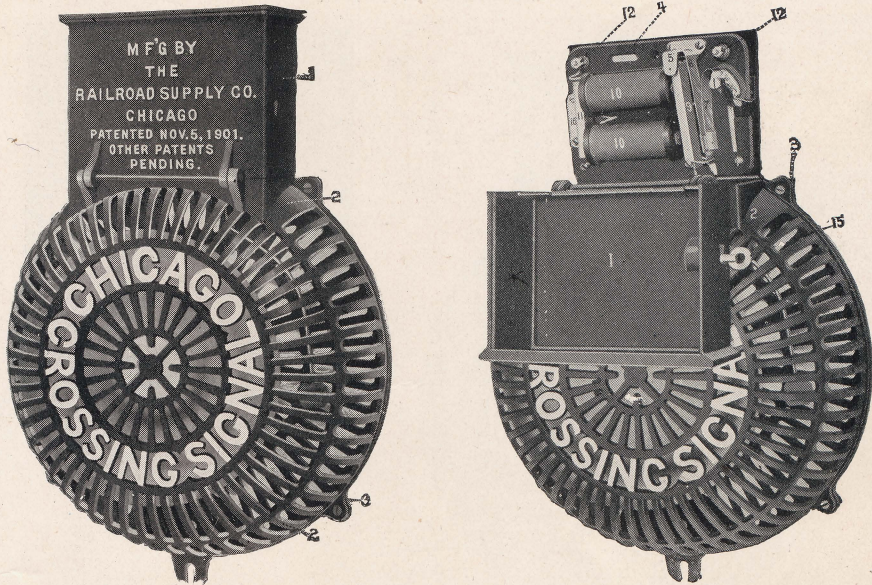


Trade No.	Description	Price	Code Word
2000	1 Beam Pole with Horizontal Sign and Under-ground Bracing, length 19 feet	\$60.00	Habendo
2001	I Beam Pole with Horizontal Sign and Base Casting, length 15 feet.	60.00	Habedi
2002	I Beam Pole with Double Cross Sign and Base Casting, length 15 feet.	60.00	Habrol
2003	I Beam Pole with Double Cross Sign and Under-ground Bracing, length 19 feet.	60.00	Habrun
2004	Tubular Steel Pole with Horizontal Sign and Base Casting, length 15 feet.	50.00	Hacun
2005	Tubular Pole with Double Cross Sign and Base Casting, length 15 feet.	50.00	Hacix
428	Wooden Bell Pole, complete, with Under-ground Bracing, length 18 feet.	24.00	Had
2006	Horizontal Style Sign Casting only (two required per Sign).	12.00	Hadly
2007	Double Cross Style Sign Casting only (two required per Sign).	12.00	Hadox
2008	Base Casting for I Beam Poles (two required per Pole).	12.00	Heal
2009	Trunking and Capping for I Beam Poles, per foot.	20	Healer
2010	Horizontal Style Warning Sign and Post with Under-ground Bracing, length 19 feet.	50.00	Hemp
2011	Horizontal Style Warning Sign and Post with Base Casting, length 15 feet.	50.00	Hempul
2012	Double Cross Style Warning Sign and Post with Under-ground Bracing, length 19 feet	50.00	Heos
2013	Double Cross Style Warning Sign and Post with Base Casting, length 15 feet.	50.00	Heotol
841-4	Clamp and Bolt for Style BB Bell and I Beam Poles.40	Hend
873-1	Tubular Pole Front Clamp.	2.50	Hendis
873-2	Tubular Pole Rear Clamp.	1.50	Hendry
874-1	Pinnacle Casting for Tubular Pole.	3.00	Hendox
874-2	Base Casting for Tubular Pole.	5.00	Hern

NOTE:—In ordering poles specify location of bell and relay box, and also which style is to be used
Poles are furnished drilled and tapped for any manufacturer's bells or relay boxes.

Style A. Highway Crossing Bell

Patented Nov. 5, 1901

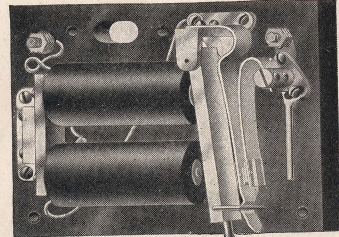
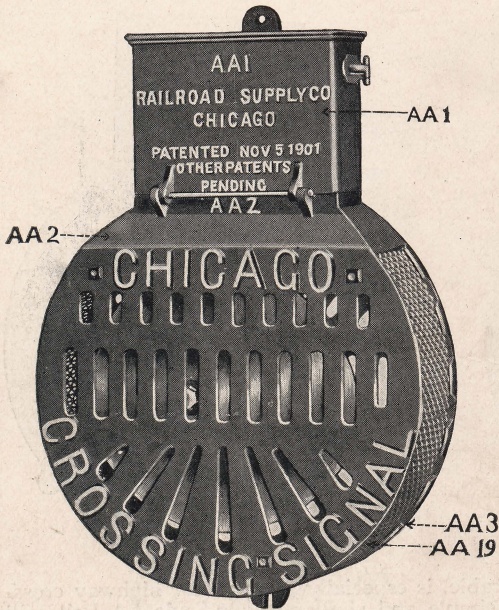


This bell, made strong and durable, is especially adapted for highway crossing alarms. The mechanism very simple and similar to our Style AA Bell, will operate with a minimum amount of battery, giving great volume of sound. Many thousands of these bells have been in use for upwards of ten years on nearly all railroads throughout the U. S. and Canada. It is furnished with carbon, silver-carbon, or platinum contacts, and can be used successfully on high voltages in conjunction with our high voltage adapters.

Trade No.	Description	Price	Code Word
A-19	Iron Covered Bell, Style A with Silver-Carbon Contacts..	\$52.50	Bamboo
A-20	Iron Covered Bell, Style A. with Plain Carbon Contacts..	50.00	Basic
A-21	Iron Covered Bell, Style A, with Platinum Contacts.....	52.50	Basilisk
A-22	Tell-Tale Contact on above extra.....	5.00	Basin
A-1	Japanned Cast Iron Mechanism Cover.....	5.00	Bask
A-2	Japanned Cast Iron Bell Cover with Hinge Rod.....	3.60	Bat
A-3	Japanned Cast Iron Bell Base and Screws.....	5.00	Bastion
A-4	Japanned Iron Mechanism Base.....	1.40	Ballus
A-5	Nickeled Armature Hanger with Bearings and Screws....	1.60	Batten
A-6	Carbon Front Contact Spring.....	2.50	Bayou
A-66	Platinum Front Contact Spring.....	3.00	Baldon
A-666	Silver-Carbon Front Contact Spring.....	3.00	Bakery
A-7	Carbon Back Contact Spring.....	2.50	Bazaar
A-77	Platinum Back Contact Spring.....	3.00	Baby
A-777	Silver-Carbon Back Contact Spring.....	3.00	Balloons
A-8	Nickeled Adjustment Stud with Insulations and Screws...	2.70	Bead
A-9	Armature and Bell Clapper, complete.....	2.70	Beam
A-10	One Magnet Coil (specify upper or lower).....	5.00	Bear
A-11	Magnet Yoke with Magnet Screws.....	.85	Bearing
A-12	Binding Post, complete.....	.35	Beastly
A-13	Tell-Tale Contact Spring, complete.....	1.50	Believe
A-14	Tell-Tale Contact Post, complete.....	1.00	Belle
A-15	Standard Key.....	.50	Bellow
A-16	Magnet Support with Screws.....	1.10	Belong
A-17	12" Steel Gong, with Cap Screw.....	4.00	Belad

Style A. A. Bell

Patented Nov. 5, 1901

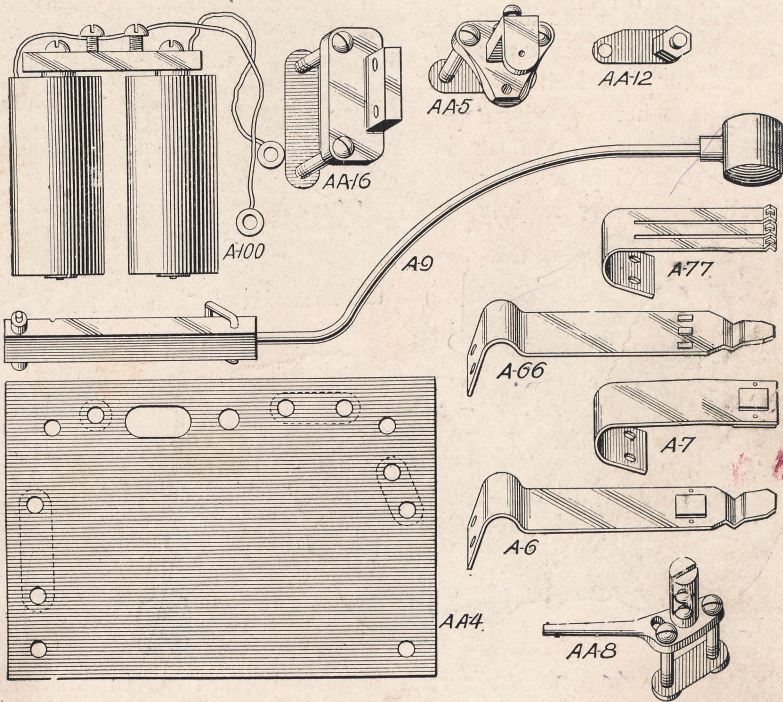


Works on Slate Base
Style A. A. Bell

This is our standard highway crossing bell. The casing is indestructible, being made of the best grade of malleable iron and steel. The works have been designed for hard and continuous usage out doors. The highest insulation possible is obtained by the use of water-proof magnets and copper and nickel-plated metal parts, which are mounted upon a double enameled heavy slate base. The contact springs are phosphor-bronze and furnished heavily nickel-plated with heavy platinum, silver-carbon, or plain carbon contacts, all having large surfaces, thus insuring greatest reliability, and low resistance at the contact points. These bells have been in long and continued use in damp atmospheres without being affected in their operation. The magnet cores and armature are heavy and made from the best imported Norway iron and are heavily nickel-plated upon copper, thus effectively preventing rust. The standard resistance is 10 ohm. Higher or lower resistances are furnished upon specifications. This bell may be used on any current below 25 volt. For higher voltages it is necessary to use our high voltage adapters.

Style A. A. Bell

Patented Nov. 5, 1901

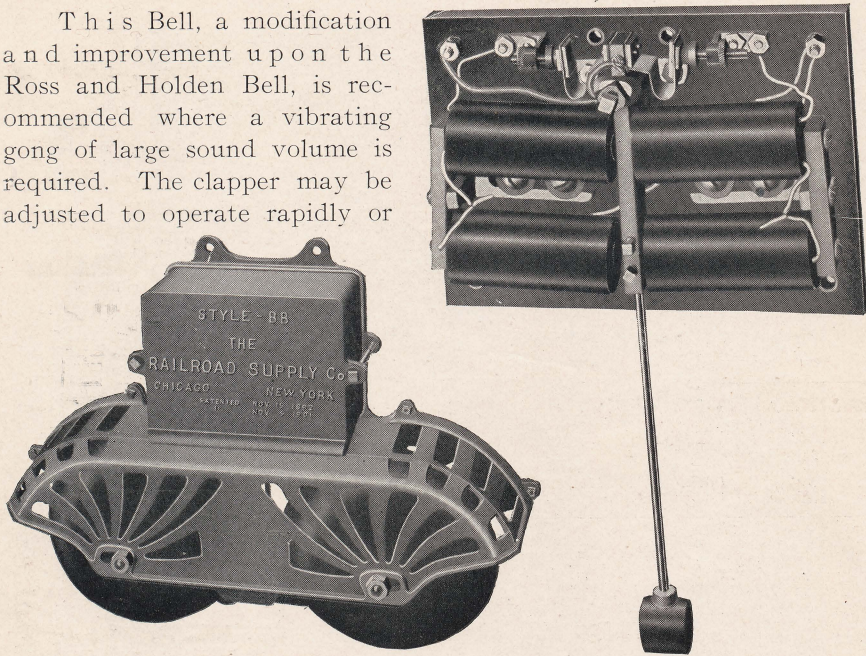


Trade No.	Description	Price	Code Word
AA-30	Style AA Bell, with Silver-Carbon Contacts.....	\$52.50	Baton
AA-20	Style AA Bell, with Plain Carbon Contacts.....	50.00	Bacnus
AA-21	Style AA Bell, with Platinum Contacts.....	52.50	Badino
AA-22	Tell-Tale Bell Contact on above, extra.....	5.00	Banior
AA-1	Japanned Mechanism Cover.....	5.00	Bakorn
AA-2	Black Japanned Bell Cover, with Hinge Rod.....	6.00	Bekord
AA-3	Japanned Mechanism and Bell Base.....	6.00	Bekue
AA-4	Drilled and Enameled Slate Base.....	8.00	Bejul
AA-5	Nickeled Armature Hanger, with Screws.....	2.00	Belut
A-6	Plain Carbon Front Contact Spring.....	2.50	Bayou
A-63	Platinum Front Contact Spring.....	3.00	Baldon
A-666	Silver-Carbon Front Contact Spring.....	3.00	Bakery
A-7	Plain Carbon Back Contact Spring.....	2.50	Bazaar
A-77	Platinum Back Contact Spring.....	3.00	Baby
A-777	Silver-Carbon Back Contact Spring.....	3.00	Balloon
AA-8	Nickeled Adjustment Stud.....	3.00	Biame
A-9	Armature and Bell Clapper, complete.....	3.00	Beam
A-12	Binding Post, complete.....	.35	Brakon
AA-12	Binding Post and Connection.....	.50	Bralot
AA-13	Tell-Tale Contact Spring, Platinum Pointed with Screws.....	1.50	Bratle
AA-14	Tell-Tale Contact Post, Platinum Pointed with Screws....	1.00	Bronx
AA-16	Magnet Support, complete with Double Nuts and Screws..	1.50	Blond
A-17	12" Steel Gong with Cap Screw.....	4.00	Boas
AA-17	12" Bell Metal Gong, complete with Cap Screw.....	8.00	Belad
AA-19	Perforated Steel Side Plate.....	1.50	Beladus
A-100	One set Magnets, complete.....	13.00	Bumell

Style B. B. Bell

Patented Nov. 15, 1892

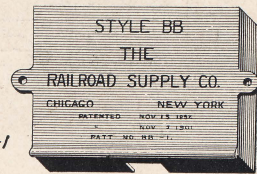
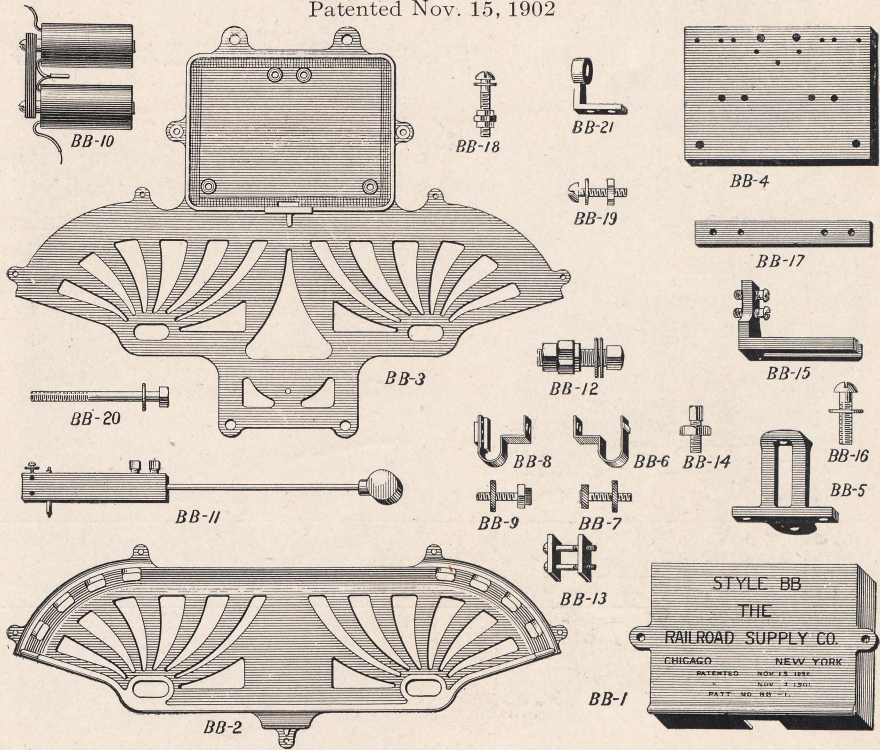
This Bell, a modification and improvement upon the Ross and Holden Bell, is recommended where a vibrating gong of large sound volume is required. The clapper may be adjusted to operate rapidly or



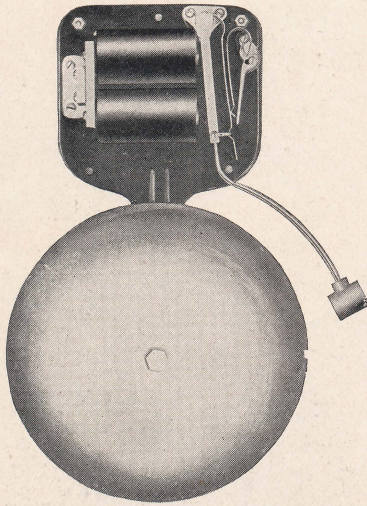
slowly, and having no springs, is absolutely positive in its action. The clapper in its normal position is held against one contact spring by gravity. This spring has connections with one set of magnets. Upon current passing through this contact and its respective magnets, the clapper is attracted by magnetism, delivering a powerful stroke against one gong and then the current passes through the other spring and set of magnets returning clapper against opposite gong. The casing is heavy and substantial, and entirely encloses the magnets and contact springs by being drawn against the back, which has rubber gaskets. This bell will deliver a greater volume of sound with a lower voltage and amperage than any other bell on the market, and is one of our latest, and, like our Style AA Bell, has no bushings or insulations which may cause short circuits or grounds in any of its wirings. The base upon which the mechanism is mounted is heavy enameled slate. We furnish same with plain carbon contacts, silver-carbon contacts, or platinum contacts, all of which are interchangeable. This bell may also be used on high voltages in conjunction with our high voltage adapters and is recommended for electric street railway service.

Style B. B. Bell

Patented Nov. 15, 1902



Trade No.	Description	Price	Code Word
BB-30	Style BB Bell, complete with Plain Carbon Contacts and Steel Gongs.....	\$70.00	Broxt
BB-31	Style BB Bell, complete with Plain Carbon Contacts and Bell Metal Gongs.....	75.00	Broster
BB-32	Style BB Bell, complete with Silver-Carbon Contacts and Steel Gongs.....	72.00	Brosting
BB-33	Style BB Bell, complete with Silver-Carbon Contacts and Bell Metal Gongs.....	77.00	Brop
BB-34	Style BB Bell, complete with Platinum Contacts and Steel Gongs.....	75.00	Broper
BB-35	Style BB Bell, complete with Platinum Contacts and Bell Metal Gongs.....	80.00	Bruf
BB-1	Japanned Iron Mechanism Cover.....	5.50	Brufing
BB-2	Japanned Iron Gong Cover.....	6.00	Brufing
BB-3	Japanned Iron Base, with Rubber Gasket, Screws and Bolts.....	6.00	Brute
BB-4	Slate Base, Drilled and Enameled.....	8.00	Brufas
BB-5	Armature Hanger.....	1.75	Bruting
BB-6	Platinum Contact Spring.....	2.50	Brang
BB-7	Platinum Contact Screw.....	1.50	Brob
BB-8	Plain Carbon Contact Spring.....	1.50	Bromo
BB-88	Silver-Carbon Contact Spring.....	2.00	Bromoid
BB-9	Plain Carbon Contact Screw.....	1.50	Brocash
BB-99	Silver-Carbon Contact Screw.....	2.00	Broddig
BB-10	One set Magnets, complete.....	16.00	Brofund
BB-11	Armature, complete with Bell Clapper, as shown.....	2.00	Brofue
BB-12	Gong Bolt, complete.....	.30	Brotule
BB-13	Double Nuts with Screws for Contact Springs.....	.50	Brotum
BB-14	Armature Trunnion Bearing.....	.25	Brotung
BB-15	Magnet Support with Screws.....	1.10	Brotisto
BB-16	Brass Screw to hold BB-15.....	.20	Brotiet
BB-17	Drilled Strap for BB-15 and BB-16.....	.40	Brocam
BB-18	Binding Post, complete.....	.35	Brofundas
BB-19	Screw and Nut for BB-21.....	.25	Brophy
BB-20	Bolt and Washer for BB-1.....	.25	Brophat
BB-21	Bracket for Contact Screws.....	.30	Brofit



Skeleton Frame Bells

Style "A"

This bell is made of the same high-class materials, and is identical with Style "A" Iron Covered Bell, excepting the base. It is guaranteed and is intended for use indoors, or within a wooden cover; preferably our combination bell and relay box.

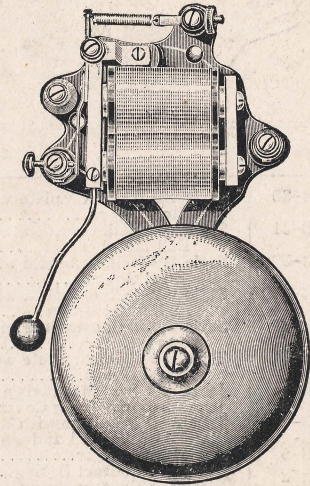
Trade No.	Description	Price	Code Word
A-23	Skeleton Bell, Carbon Contacts.....	\$40.00	Ball
A-24	Skeleton Bell Silver-Carbon Contacts.....	42.50	Barren
A-25	Skeleton Bell, Platinum Contacts.....	42.50	Balsam
A-26	Skeleton Frame only for above.....	6.00	Balsamic

All repair parts are identical with Style "A" Crossing Bell.

Skeleton Bell

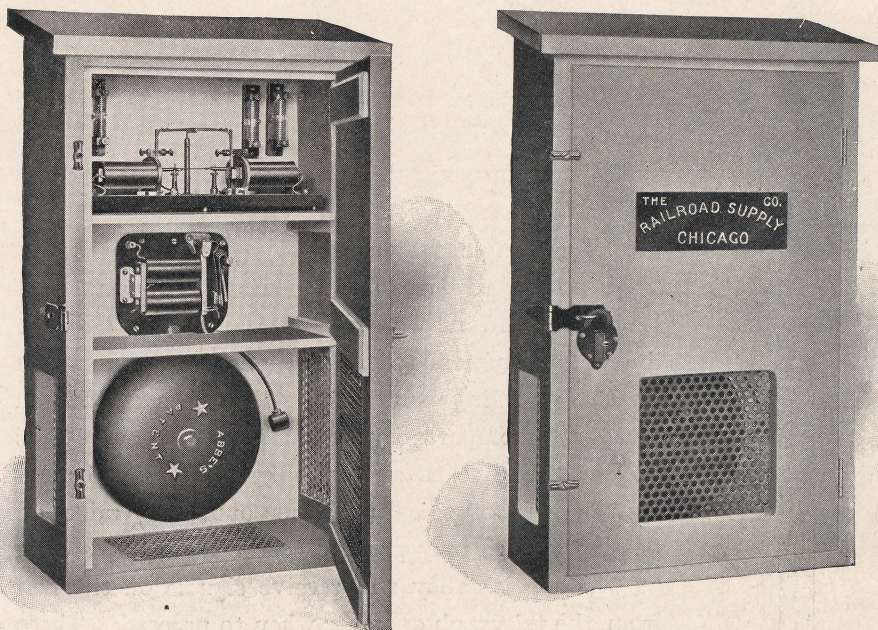
Style "X"

A bell made to meet the demand for a reliable pivoted armature bell which can be sold at a lower price than our Style "A" bells and which will give satisfaction where any bell of this kind may be used.



Trade No.	Description	Price	Code Word
X-3	3" Nickel Plated Gong.....	\$ 2.50	Badnor
X-4	4" " " ".....	3.00	Badnip
X-5	5" " " ".....	5.00	Badsof
X-6	6" " " ".....	6.50	Bafar
X-8	8" " " ".....	8.00	Befering
X-10	10" " " ".....	12.00	Bister
X-12	12" " " ".....	18.00	Bistod

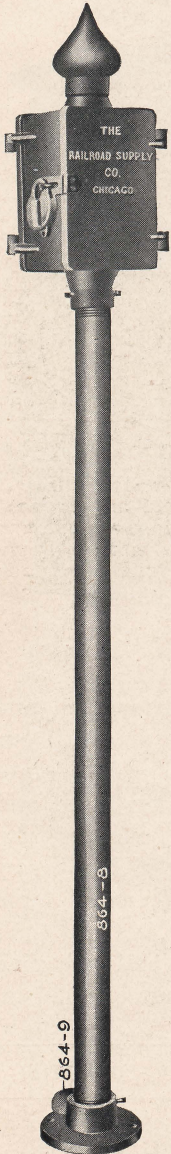
Highway Crossing Bell and Relay Box



In the illustration herewith we show our Combination Bell and Relay Box, which is preferred by some railroads for use with our Style A Bell and Relay in lieu of an iron covered bell and separate relay box. This box is strongly made, thoroughly weather-proof, and with separate compartments protecting the bell and relay mechanisms. Gong compartment openings are protected on four sides with a heavy perforated metal screen. The relay compartment is sufficiently large to hold any manufacturer's interlocking, or two single relays and their lightning arresters. Where necessary, additional relays and lightning arresters may also be put in the compartment with the bell mechanism.

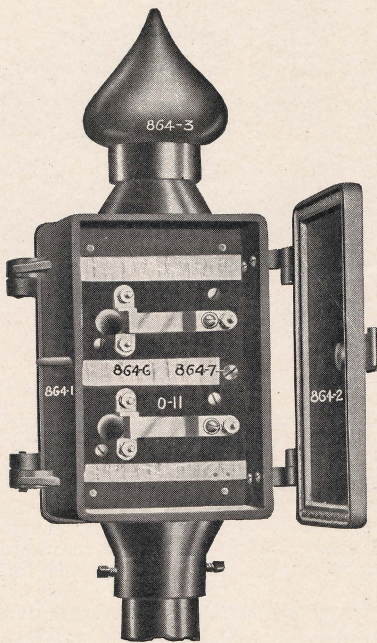
Trade No.	Description	Price	Code Word
P-1	Combination Bell and Relay Box, Pine, one coat priming	\$16.00	Botox
P-2	Combination Bell and Relay Box, Oak, one coat priming	20.00	Bolonga

Siding Bell Box

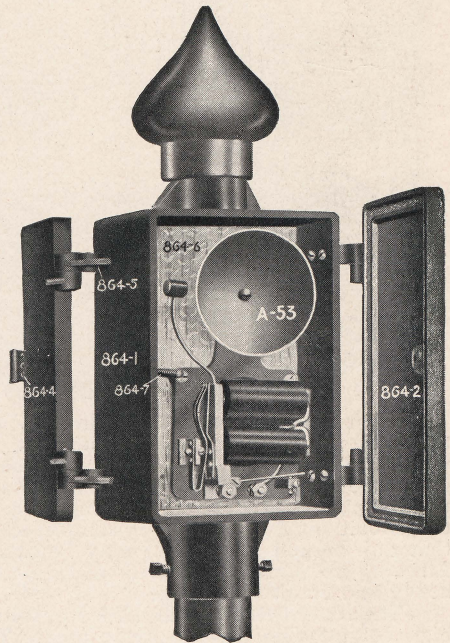


The Box and Post shown herewith were designed to supply the demand for an apparatus which will establish communication between outlying switches and interlocking towers or telegraph offices. By the use of a simple system of code signals switchmen may notify towermen or telegraph operators of their intended movements on to, or off the main line. The answers to the switching crew are given on the vibrating bell, A-53, which is contained in a separate compartment within the box, and is thus not accessible to them, but only to the signal men. By the use of this apparatus outgoing trains on passing sidings may proceed to the main line switch at which point they will receive signals on the bell from the telegraph operator when to proceed. These signals are answered by pushing upon Strap Keys 0-11, which operate similar bells or indicators in the telegraph office or interlocking tower. The entire apparatus is of neat design and durable make. This device is well suited to meet the demands of general managers of roads not maintaining a signal department, for a reliable and economical means of transmitting instructions governing train movements from outlying sidings or switches on to main lines.

Siding Bell Box



Front View Open

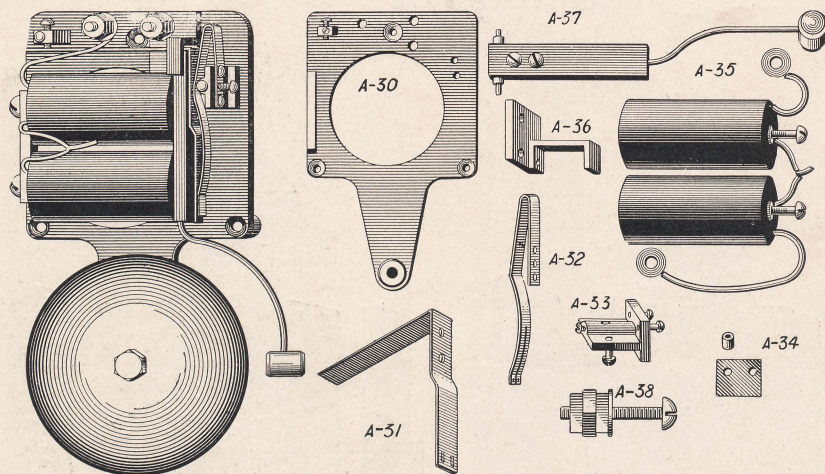


Rear View Open

Trade No.	Description	Price	Code Word
864	Siding Bell Box complete with Bell and one O-11 Strap Key.....	\$28.00	Buck
864-1	Box Casting only for above.....	4.00	Bucto
864-2	Door for 864-1.....	2.00	Buctor
864-3	Pinnacle Casting for 864-1.....	1.50	Bud
864-4	Hinge Hasp for Door.....	.50	Budy
864-5	Hinge Lug for 864-1.....	.50	Buer
864-6	Wooden Base for Strap Key and Bell.....	.75	Buffer
864-7	Lock Bolt for Bell Compartment.....	.25	Bruin
864-8	Steel Pipe.....	2.00	Bruno
864-9	Base Casting for 864-8.....	1.00	Bunting
864-10	Siding Bell Box complete without Strap Key or Bell.....	16.00	Bucking
O-11	Front and Back Contact Strap Key.....	3.25	Follow
A-53	Style A Bell, 4" Inverted Gong (10 ohm).....	10.00	Bunter

Style A. Skeleton Bells

4-inch, 5-inch, 6-inch



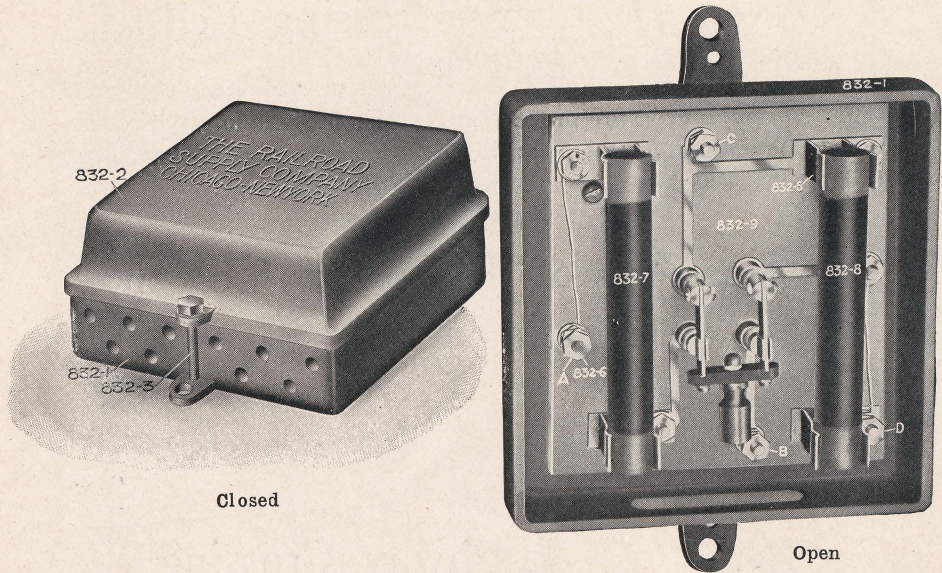
Illustrations herewith show our 4", 5" and 6" A Bells. This style is used extensively as indicator bells in stations, interlocking towers, telegraph offices, watchmen's cabins and at outlying switches. Standard resistance is 10 ohm. We guarantee this bell to operate with little battery and deliver powerful strokes upon the gong. Platinum contact springs, which are long and flexible, do not break the circuit until the stroke is completed. The contact springs are so arranged that any desired adjustment may be obtained easily and in a positive manner. All working parts are heavily nickel-plated upon copper and are designed for heavy and continuous usage.

The above bells are adaptable for voltages up to 25; with higher voltages our high voltage adapters should be used. These bells are also furnished as single stroke bells for use with code signals.

Trade No.	Description	Price	Code Word
A-50	Style A Bell, 4" Gong, 10 ohm Resistance.....	\$10.00	Bullock
A-51	Style A Bell, 5" Gong, 10 ohm Resistance.....	10.25	Bumper
A-52	Style A Bell, 6" Gong, 10 ohm Resistance.....	10.50	Bun
A-53	Style A Bell, 4" Inverted Gong for Siding Bell Box, 10 ohm Resistance.....	10.00	Bunter
A-29	Japanned Skeleton Frame for Styles A-50 to A-52 inclusive.....	2.00	Buncarp
A-30	Japanned Skeleton Frame for A-53.....	2.00	Bunsot
A-31	Platinum Front Contact Spring.....	2.00	Buncole
A-32	Platinum Back Contact Spring.....	2.00	Bunlad
A-33	Back Contact Spring Support.....	.75	Byro
A-34	Mica Insulations for A-33.....	.50	Byronas
A-35	One set Magnets, complete, (specify resistance)	...	Byrito
A-36	Armature Hanger, complete.....	.75	Byrig
A-37	Armature and Bell Clapper.....	2.00	Bylix
A-38	Binding Post, complete, with Mica Insulations	.25	Bylum

NOTE:—Other than standard resistance must be specified.

High Voltage Adapters



Closed

Open

Our High Voltage Adapters are furnished for use with any apparatus (particularly Highway Crossing Bells) where current of a direct voltage from power or light circuits is obtainable. In such cases this apparatus eliminates the use of batteries. All our bells will operate satisfactorily on any voltage up to 600 by the use of these adapters. The principle employed makes this device reliable and economical in its use. The adapters are furnished complete, mounted upon a heavy slate base, within a gasketed iron box, and are equipped with fuses and double pole knife switch. They are especially recommended for use with Highway Crossing or Block Signals for electric railways operating on 500 volt direct current.

Trade No.	Description	Price	Code Word
*832-20	High Voltage Adapter, Complete within Iron Box, as shown.....	\$22.00	Bermat
832-1	Box Casting.....	3.00	Beros
832-2	Cover Casting.....	2.00	Bedfern
832-3	Lock Bolts for Cover.....	.40	Behor
832-5	Adapter Box Clip.....	.75	Benson
832-6	Binding Post Complete with Three Nuts.....	.35	Biart
832-7	Adapter Rod for Line Side.....	4.00	Bidon
832-8	Adapter Rod for Instrument Side.....	4.00	Bocanar
832-9	Slate Base drilled and enameled.....	5.00	Bocano
832-10	Double Pole Knife Switch.....	2.00	Bocup
832-11	Fuses (State Amperage).....	.10	Bosis

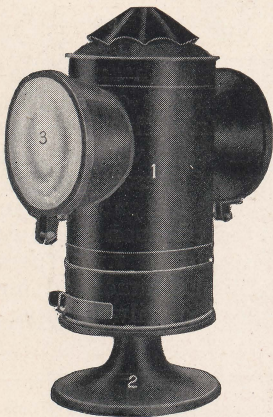
*Specify High Voltage, also apparatus or voltage for which same is to be used.

O'Neil Highway Crossing Bell

This style is practically obsolete and we refrain from cataloging the bell and its parts, but we are prepared to furnish its various repair parts, which may be ordered from old catalogue reference, or by accompanying the order with sample.

"American" and "Ross and Holden" Crossing Bells

Orders for repair parts or complete apparatus for either of these two styles will be filled promptly, if accompanied by either catalogue reference or sample.



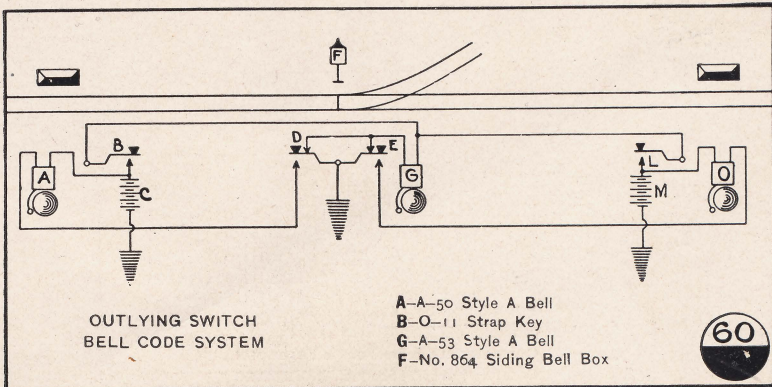
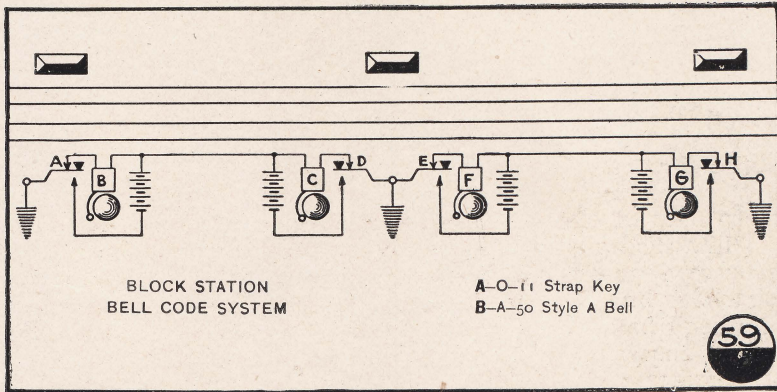
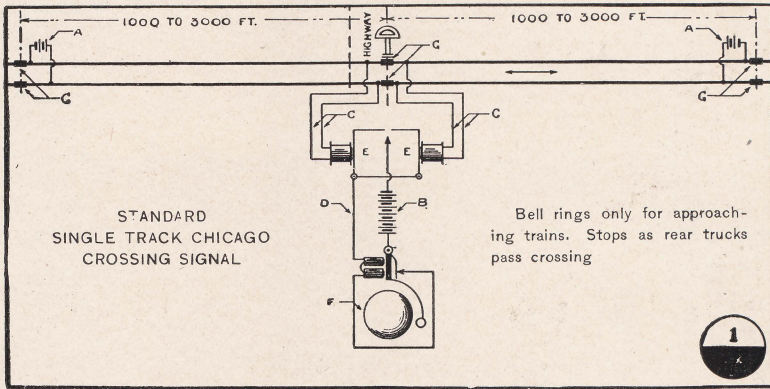
L-10

Highway Crossing Alarm Light

Illustration herewith shows our Electric Light Casing, as used on Highway Crossing Alarms by placing same on the upper part of the pole pointing the lenses, which may be either red or green, up and down the highway. The same batteries that operate the bell operate the light by equipping bell with a tell-tale contact; the battery current is switched alternately through the bell and then the light, thus making an attractive, visible night signal.

Trade No.	Description	Price	Code Word
*L-10	Lamp Casing with Socket and Lamp.....	\$ 8.00	Fold
L-5	6-Volt Battery Lamp, only.....	1.50	Form
C-75	O'Neil Bell complete in cage.....	48.00	Bowsprit
B-20	R. & H. Bell complete in Box.....	80.00	Boon
B-21	R. & H. Bell, only, complete.....	60.00	Boosy

*Specify whether red or green lenses are wanted.

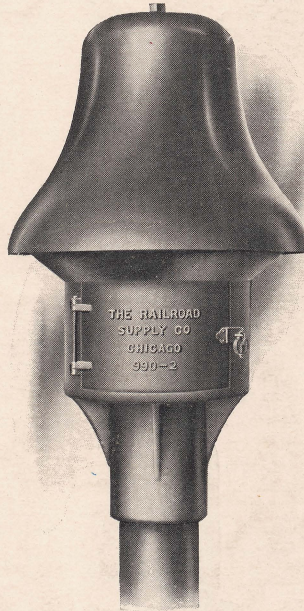


Printed and Bound for the Signal Department of THE RAILROAD SUPPLY COMPANY at the Press of the FAITHORN COMPANY at 66-74 Sherman St., CHICAGO

Highway Crossing Signals

AND

Locomotive Type Crossing Bell



Crossing Bell No. 990

*“The Crossing Alarm Bell that
Rings Like a Locomotive Bell”*

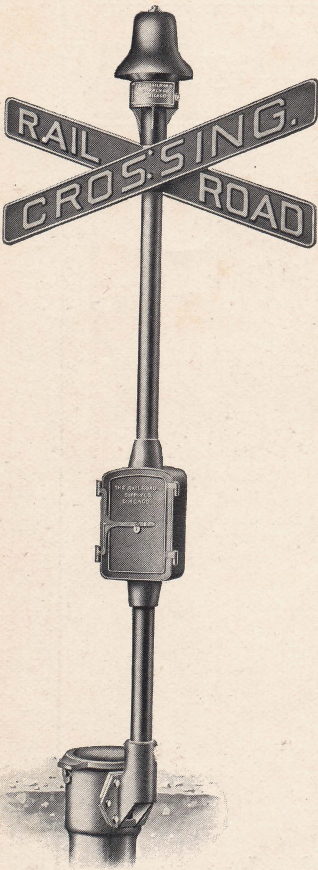
The Railroad Supply Company
General Offices and Works: CHICAGO

SUPPLEMENT TO CATALOGUE No. 7

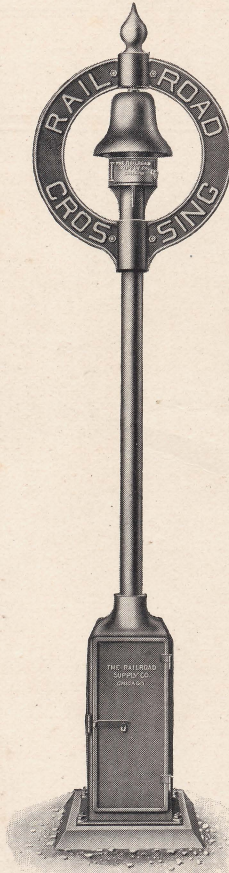
SECTION 1

February 1910

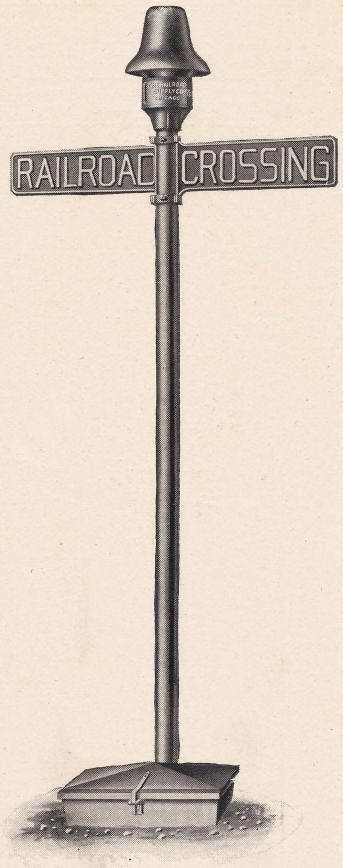
Highway Crossing Signals



No. 2028



No. 2030



No. 2032

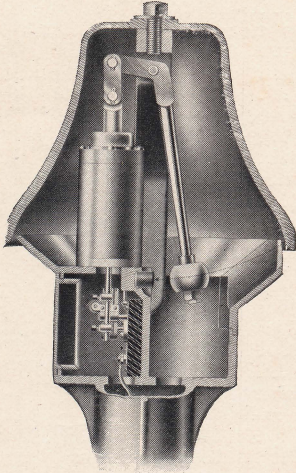
THE Highway Crossing Signals above illustrated are the latest, most compact and reliable crossing alarms ever produced. All parts on these signals are interchangeable. Any of the signals shown can be furnished with any of the signs illustrated. The poles are made of 4-inch steel pipe, and together with other parts illustrated, are indestructible. Any of the above signals may be furnished equipped with our style CC, or our celebrated style A or AA Bells.

Signal No. 2028 has a relay box, wood lined and rubber gasketed, that will accommodate two interlocking relays and lightning arresters. Provisions for batteries to ring the bell are made in the 7-foot battery chute, which also answers the purpose of a solid foundation for the entire signal.

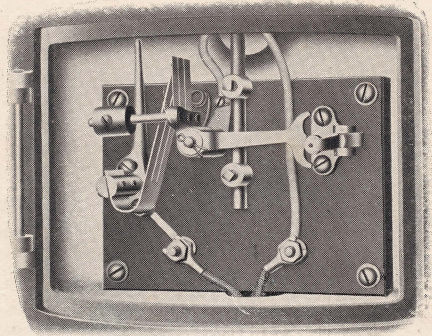
Signal No. 2030 has a substantial gasketed weather-proof case, adapted for use on concrete foundations. Case is wood-lined, with shelves arranged to hold all necessary relays, lightning arresters and batteries.

Signal No. 2032 is equipped with an iron box to be set within the ground to hold the batteries, and a separate damp-proof compartment for any interlocking relay. The Locomotive Type Bell, illustrated on above signals, is most economical to use, as one cell of storage or four cells of caustic potash batteries will operate same very satisfactorily. The saving in first cost of batteries required and very material saving effected in maintenance, is apparent.

Locomotive Type Highway Crossing Bell



Sectional View



Mechanism. Compartment with door open.
Note simplicity and accessibility for
inspection and adjustment

WE illustrate herewith our latest improved type Electric Highway Crossing Bell. The gong on this bell is of the type and size as used on locomotives. The mechanism is contained within the gong, as shown in sectional view. The solenoid electro magnet used delivers powerful strokes upon the inside of the gong at from 40 to 60 blows per minute. The contacts and switch device are mounted upon a heavily enameled slate base, contained in a separate and absolutely water-tight compartment, having a large door for easy access and inspection. The armature of the solenoid magnet operates a single-pole snap switch, which makes and breaks the circuit quickly and without loss of power. When the circuit is closed the armature is attracted and the snap switch, actuated by the rocker arm, breaks the circuit just as the heavy hammer strikes a powerful blow upon the inside of the gong. As the circuit is broken the armature and hammer return by gravity to normal position. The highest efficiency with least possible battery consumption is thus attained, current through the bell being actually used only one-half of the time that the bell is in operation. Unless otherwise specified, this bell is furnished to be operated from one cell of storage battery or four cells of caustic potash battery. When in operation this bell emits the same loudness and quality of sound, and rings with the same velocity as an ordinary locomotive gong, from which it is apparent that this is the most suitable type of bell for highway crossing alarms. This type of Crossing Bell was designed and patented by two railway signal engineers of national reputation, and placed in service in large numbers on some of the most leading railroads. It has given utmost satisfaction because of its great clearness and volume of sound, together with simplicity and great economy in batteries to operate same.

THE RAILROAD SUPPLY COMPANY

Trade No.	DESCRIPTION	Price	Code Word
990	Locomotive Type Bell, with socket for 4-inch Pipe.....	\$100.00	Lusty
990-50	Locomotive Type Bell, with socket for 3-inch Pipe.....	100.00	Lute
990-51	Locomotive Type Bell, for bolting to top of Wooden Post.....	100.00	Lurid
990-52	Locomotive Type Bell, with bracket for bolting to face of Wooden Post.....	100.00	Lunate
990-53	Rocker Arm Contact Spring, Triple Fingered Platinum.....	3.00	Loyal
990-54	Rocker Arm Contact Spring, Carbon Contact..	2.50	Lotus
990-55	Back Contact Spring, Triple Fingered Platinum	3.00	Lope
990-56	Back Contact Spring, Carbon Contact.....	2.50	Long
990-11	Gong only, for Locomotive Type Bell.....	50.00	Loft
2028	Signal as shown, consisting of Bell, Relay Box, Signs, Pole and Chute.....	190.00	Locker
2029	Same as above, but without Signs.....	166.00	Litmus
2030	Signal as shown, consisting of Bell, Combination Wood-lined Relay and Battery Box, Signs and Pole.....	226.00	Local
2031	Same as above, but without Signs.....	202.00	Lingo
2032	Signal as shown, consisting of Bell, Combination Iron Relay and Battery Box, Signs and Pole.....	186.00	Lintel
2033	Same as above, but without Signs.....	162.00	Lilac
2034	Same as No. 2032, but equipped with Style K-158 Relay Box on Pole for Style H Relay	196.00	Limb
2035	Same as No. 2028, but equipped with No. 835 Relay Box.....	206.00	Lime
835	Iron Relay Box for Style HH, or Mason Glass Enclosed Single-Track Interlocking Relay, or two Standard Track Relays.....	17.00	Hesam
K-158	Iron Relay Box for Style H Single-Track Interlocking Relay.....	9.00	Dice
H-75	Standard Style H Relay for Single Track.....	50.00	Cabin
H-76	Standard Style H Relay for Double Track.....	50.00	Cabinet
HH-75	Standard Style HH All Glass Enclosed Interlocking Relay for Single Track.....	80.00	Hemal
M-75	Standard "Mason" Glass Enclosed Interlocking Relay for Single Track.....	70.00	Hemula

Deduct from the above List Prices on Signals as follows:

<i>If Style CC No. 953 Bell is wanted.....</i>	<i>\$30.00</i>
<i>If Style CC No. 953-A Bell is wanted.....</i>	<i>50.00</i>
<i>If Style BB Bell is wanted.....</i>	<i>25.00</i>
<i>If Style AA Bell is wanted.....</i>	<i>50.00</i>
<i>If Style A Bell is wanted.....</i>	<i>60.00</i>

All signs are interchangeable and any signals shown can be furnished with any signs shown without change in price.

For other styles of Highway Crossing Signals and Bells, see Section 1, Catalogue 7, also July, 1909, Supplement.

NOTE. We manufacture over twenty-five different Crossing Alarms, suitable for any Highway Crossing on steam or electric railroads.
 Also, all Electric Signal Apparatus, such as Motor-Driven Semaphore Signals, Relays of all descriptions, Lightning Arresters, Channel Pins, Bond Wires, Battery Chutes, and all other requirements in signaling work.

