

THE MAYER & ENGLUND CO.

CATALOGUE B

"INTERNATIONAL"

FARE REGISTERS

AND

REGISTER FIXTURES

CONDUCTORS' SUNDRIES

PHILADELPHIA

NEW YORK

PITTSBURG

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Fare Registers

AND

Register Fixtures

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THE MAYER & ENGLUND CO.

10 South 10th Street

PHILADELPHIA

NEW YORK OFFICE
85 Liberty St.

PITTSBURG OFFICE
Park Building

"INTERNATIONAL" FARE REGISTERS

WE are the exclusive Middle and Southern States Representatives of The International Register Company, Chicago, manufacturers of the well known "International" Single and Double Car Registers. These machines have made a most excellent record during the past ten years on the many prominent roads which have adopted them and they are pronounced by competent mechanics to be the most complete, durable and positively tamper-proof Fare Registers ever produced.

For the purpose of demonstrating the superiority of these registers, we are at all times prepared to place one or more machines for trial with any company wishing to make comparative tests of Fare Registers. When the quality of workmanship and material, and the mechanical design of the register governs the placing of contracts, we never lose the order.

We illustrate herein the three standard types of International Stationary Registers together with the well-known Portable Register made by this Company.

We hope to be favored with the opportunity of submitting our registers for inspection and trial.

Our line of register operating fixtures is the most complete ever shown, and should prove of great assistance in selecting the proper designs for either rod or cord ringing devices. All of our fixtures are made of the best materials and designed to stand severe service. They are suitable for use in the operation of any make of fare registers.

Very respectfully,

THE MAYER & ENGLUND CO.

November 20, 1900.

INTERNATIONAL FARE REGISTERS

The general construction of the Single and Double Register is practically the same. Some of the especially valuable features embodied in these machines are the following :

ALUMINUM DIALS

Satin finished pure sheet aluminum is used for all dials. These dials retain their finish and lustre indefinitely, and if exposed to dust by the breaking of the glass can be readily cleaned with a little benzine when the new glass is put in.

TOTALIZERS

The International Totalizer is the only fare register totalizer made that cannot be set back when exposed or removed from the machine. It is so made that the entire movement is inter-locking, and when once the addition is completed, it cannot be set back without destroying the device. The importance of preserving the permanent record of a register beyond any question or doubt can be fully appreciated.

DIRECTION INDICATOR

The importance of a direction indicator is not generally appreciated. In some makes of registers it is so located that it cannot be seen from all parts of the car, or else made so small as to be read with difficulty. This indicator is of equal importance with the trip register and should be given equal prominence, as in our machines. A trip register is of little value unless it is re-set to zero at the end of each trip, for if the conductor can leave four or five fares over on the trip register from his finished trip, he can use them on the return trip ringing that number less, and still have his machine check up correctly for the inspector, provided the inspector has not seen the register before the conductor commenced to collect fares. The direction indicator in our machine is so inter-locked with the red blind and trip register that it is a mechanical impossibility to change this direction indicator without cancelling the trip register and showing the red blind. Any register that does not provide this safeguard can be manipulated.

INTERNATIONAL FARE REGISTERS

THE RED BLIND

The trip window is provided with a red blind which covers the figure during registration, and no figures can be shown until the registration is completed. The same blind also covers the trip figures during the operation of cancelling at the end of trip, and when the cancelling operation is once commenced no figures can be shown until it is completed and the register shows "00." This combination use of the same blind is fully covered by patents.

CASE AND SEAL

The case is of solid drawn steel and fits closely over a cast iron rim on the bed plate, and locking with a spring bolt over which is placed a glass signature seal. The Register can be opened only by breaking the glass and destroying the signature on the inside paper. To restore it so as to avoid detection the paper must be duplicated and the signature counterfeited. The advantage of this device over the old method of screwing on the case, or locking it with a cheap lock, can hardly be over-estimated.

ACCESSIBILITY FOR REPAIRS

An International Register can be repaired, a spring or broken part replaced in less time than it takes to get at the mechanism of any other register made. Every moving part of our mechanism is visible, and an expert is not required to put in the repair parts.

OPERATING BACK

This part of the machine is permanently attached to the car, and to which the cords or pull bars are fastened. The backs are interchangeable with the registers so that a machine may be taken out instantly from one car and placed in another without disturbing any part of the ringing device.

GUARANTEE

International Registers are made in a most substantial and careful manner. Every integral part of the operating mechanism is made from templets and jigs with the result that every piece is interchangeable with any machine. Appreciating fully the quality of our work and material used, we guarantee every register turned out for a period of five years, free of expense to the purchaser, except freight to and from the factory on machines sent for repairs

SEND FOR LIST OF ROADS USING INTERNATIONAL REGISTERS

INTERNATIONAL SINGLE REGISTER



Single Register

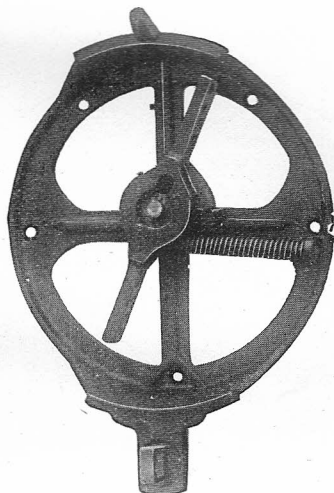
The single type register is best adapted for use on lines where there is one rate of fare only and few transfers are used. Where there are two rates of cash fares, or a cash fare and a ticket, or a large proportion of transfers, a single register can be placed in each end of the car and operated with separate rods or cords, or a single double acting rod with suitable handles for operating one register with a downward movement and the other with an upward movement. In such cases the machines have different toned bells, and are marked on the face the kind of fare they record.

This style of International Register is to-day recognized as the most perfect single form machine ever produced and more of them have been sold to large and important Street Railway Companies during the past three years than all other types of single registers combined.

Code Word. Number.

Barmkin 1500 Single Register, without fixtures, each, \$45 00

SINGLE REGISTER BACK

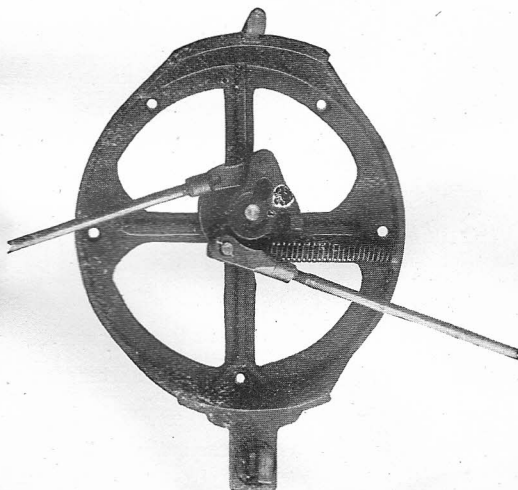


For operating with cords from one or both sides of car

Code Word. Number.

Barmote 1501 Price, complete with Screws, each, \$3 00

SINGLE REGISTER BACK



For operating with Rods and Pull Ears from one or both sides of car

Code Word. Number.

Barmy 1502 Price, complete with Screws, each, \$3 00

INTERNATIONAL DOUBLE REGISTER

With One Trip Recorder



Double Register with One Trip Recorder

This Double Register is adapted for use on lines where there are two rates or classes of fares, or where there is a large percentage of transfers. It has the advantage over two single registers in a car, of first cost, and also shows prominently the kind of fare last registered. The operating backs for these machines are so made that either the "Cash" or "Transfer" part of the register can be operated from both sides of either an open or closed car, and by either rod or cord fixtures. It has "one" common trip recorder and a plain tell-tale sign in the centre showing last fare registered.

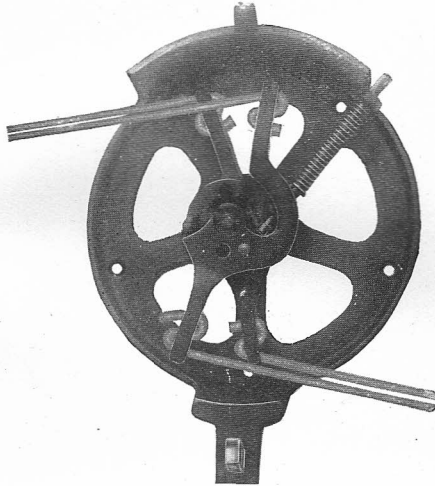
This machine was the first practical Double Register placed on the market and it has proved eminently satisfactory in operation on the large number of roads that have adopted it. It is used very extensively in Brooklyn, Washington, Milwaukee and other large cities.

Code Word Number.

Barnabee 1503 Double Register, without fixtures, each, \$70 00

DOUBLE REGISTER BACK

For Register with One Trip Recorder



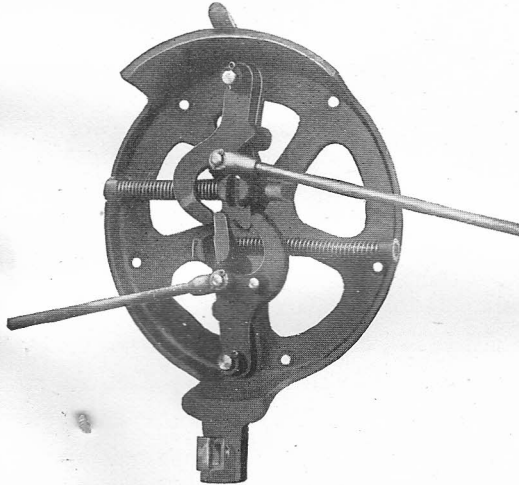
For operating with one rod and one cord or two cords in closed cars, or four cords, two on each side, in open cars.

Code Word. Number.

Barnabite 1504 Price, complete with Screws, each, \$4 00

DOUBLE REGISTER BACK

For Register with One Trip Recorder



Universal Double Acting Back for operating Double Register in open cars by a rod on each side of car. The downward stroke of handle operates the cash side and the upward stroke the transfer side, or vice versa. This back is also applicable to closed cars for operation with one or two rods.

Code Word. Number.

Barnard 1505 Price, complete with Screws, each, \$5 00

INTERNATIONAL DOUBLE REGISTER

With Two Trip Recorders



Double Register with Two Trip Recorders

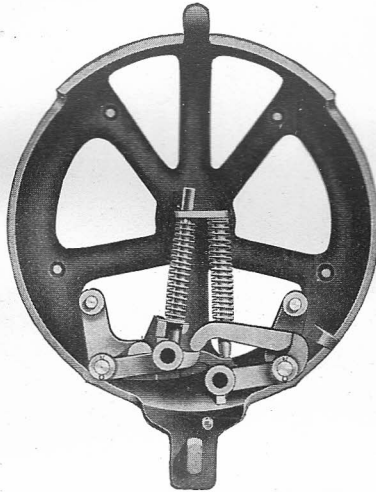
This is our latest Improved Double Register having two separate Totalizers and two separate Trip Recorders, with a conspicuous "Tell-Tale" sign near the top showing last fare registered. This register embodies every valuable feature of a fare register, and is the result of extensive knowledge gained during ten years of constant work in the building of registers. It is absolutely interlocking at every point of its operation and tamper-proof even when the mechanism is exposed. The entire mechanism is made of cold rolled steel, cut or punched and properly formed in heavy dies, and we believe it will prove practically indestructible. There is not a single piece of *cast metal* in the working parts of the machine. The register is made to operate with rod ringing device only and the square rod fittings illustrated on the following pages are particularly recommended for this purpose.

Code Word. Number

Barnet 1568 Double Register, without fixtures, each, \$80 00

DOUBLE REGISTER BACK

For Register with Two Trip Recorders

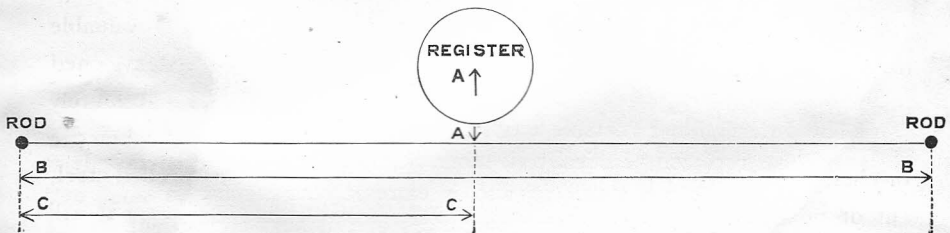


Universal Double Acting Back for Register having two Trip Recorders, for use with rods in open or closed cars. The downward stroke of handle operates one side of register and the upward stroke the other side.

Code Word. Number.

Barney 1569 Price, complete with Screws, each, \$6 00

REGISTER MEASURING DIAGRAM



In order to provide cross connecting pull bars of proper lengths for registers operated by rod ringing device, we should know the vertical distance between the centre of register and centre of side rods, A. A.; also horizontal distance between centres of the two side rods in open cars, B. B., or C. C. in closed cars.

INTERNATIONAL PORTABLE REGISTER

Suspended from Conductor's Neck with a Leather Strap



ILLUSTRATION $\frac{3}{4}$ SIZE

The International Portable Register has been on the market for over ten years and has replaced practically all other types of Portable Registers. It is a marvel of mechanical simplicity and is extremely strong for so small and compact a device. It weighs but 19 ounces and is very convenient for the conductor to carry.

These machines are leased at very low rates and are used largely for special service on summer roads, on trailers, elevated cars, etc.

Write for full particulars and descriptive circular of this machine.

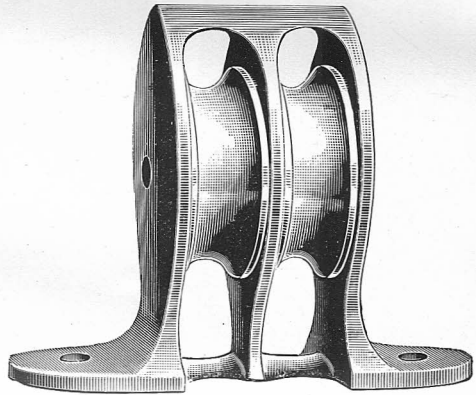
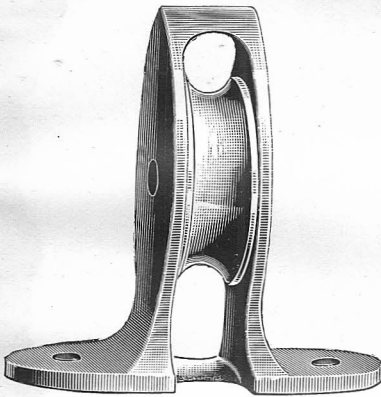
Code Word. Number.

Barnowl 1570 International Portable Register,

REGISTER PULLEYS AND FITTINGS

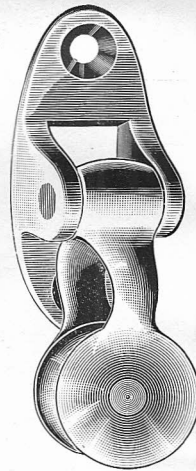
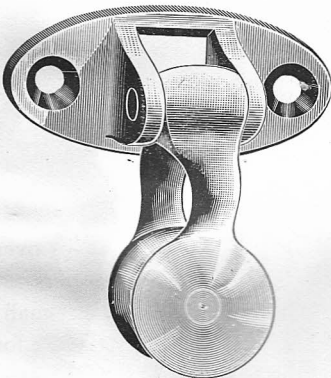
We carry a large and complete stock of Register Fittings constantly on hand. Using a large quantity of these fittings in connection with our sales of complete register outfits we are in a position to manufacture them on a large scale at the lowest cost. We illustrate herein a full line of the best cast bronze fittings.

CORNER PULLEYS



Code Word.	Number.		Polished.	Dipped.
<i>Baroco</i>	156	Single Corner Pulley, each,	\$o 52	\$o 40
<i>Barolite</i>	1507	Double " " "	80	60

SWINGING SIDE PULLEYS



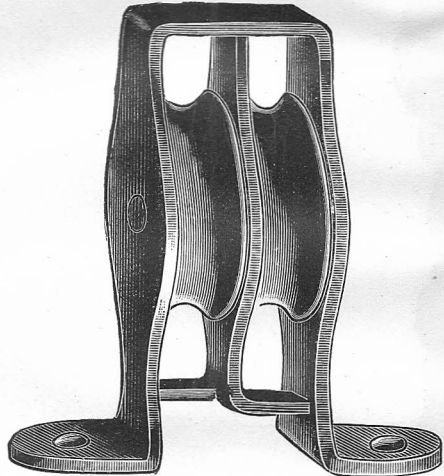
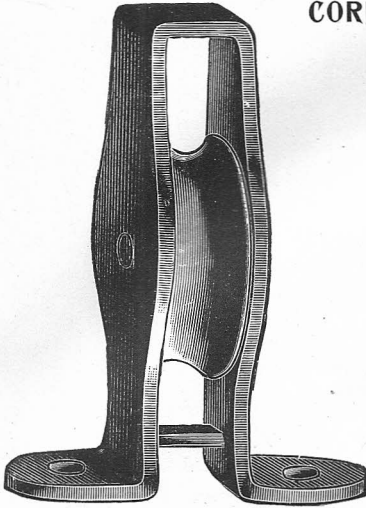
No. 1508		No. 1509	
Code Word.	Number.	Polished.	Dipped.
<i>Barology</i>	1508	Horizontal Side Pulley, each,	\$0 47
<i>Baron</i>	1509	Perpendicular Side Pulley, each,	47
			34

In ordering these fixtures be sure to specify style of finish. All prices include brass screws.

REGISTER PULLEYS AND FITTINGS

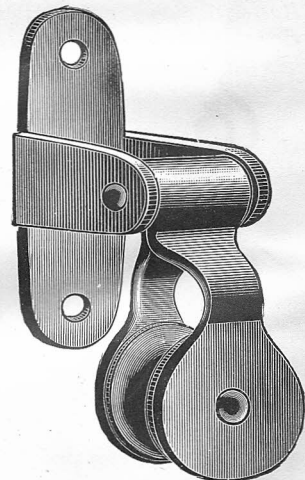
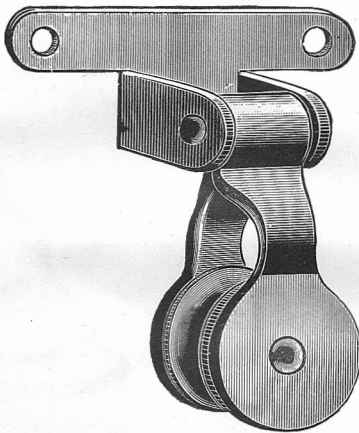
The Fixtures illustrated below are made of Sheet brass, stamped out and formed with dies. They are very reliable and somewhat lower in price than cast bronze fixtures.

CORNER PULLEYS



Code Word.	Number.		Polished.	Dipped.
<i>Baronage</i>	1510	Single Corner Pulley, each,	\$o 48	\$o 38
<i>Baroness</i>	1511	Double " " "	70	56

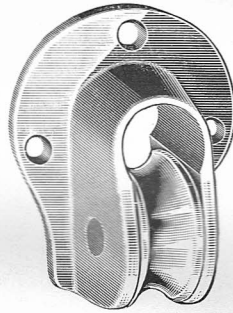
SWINGING SIDE PULLEYS



Code Word.	Number.		Polished.	Dipped.
<i>Baronet</i>	1512	Perpendicular Side Pulley, each,	\$o 43	\$o 3o
<i>Baronial</i>	1513	Horizontal " " "	43	3o

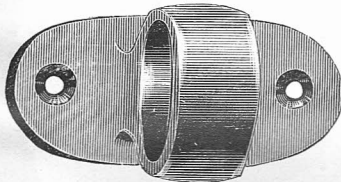
In ordering these fixtures be sure to specify style of finish. All prices include brass screws.

REGISTER CORD GUIDES

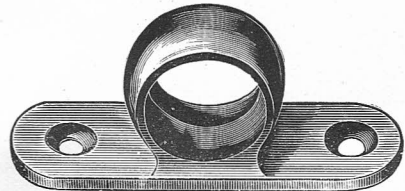


Code Word.	Number.		Polished.	Dipped.
<i>Baronism</i>	1514	Corner Guide with Roller, each,	\$o 34	\$o 29

PLAIN CORD GUIDES



No. 1515



No. 1516

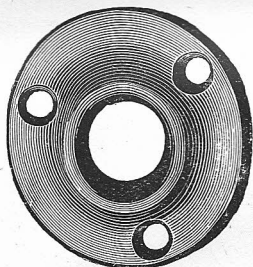
Code Word.	Number.		Polished.	Dipped.
<i>Barony</i>	1515	Horizontal Cord Guide, each,	\$o 26	\$o 19
<i>Baroque</i>	1516	Perpendicular Cord Guide, each,	26	19



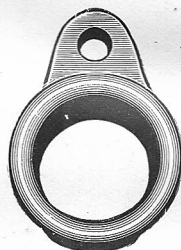
Code Word.	Number.		Polished.	Dipped.
<i>Baroscope</i>	1517	Screw Cord Guide, each,	\$o 40	\$o 35

In ordering these fixtures be sure to specify style of finish. All prices include brass screws.

REGISTER CORD BUSHINGS



No. 1518



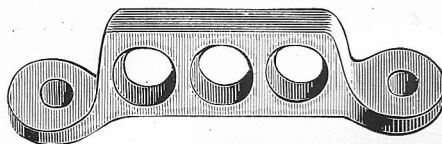
No. 1519

Code Word.	Number.		Polished.	Dipped.
<i>Barosma</i>	1518	Three Screw Bushing, each,	\$o 19	\$o 14
<i>Barpost</i>	1519	One Screw Bushing, each,	16	14

REGISTER CORD FASTENERS



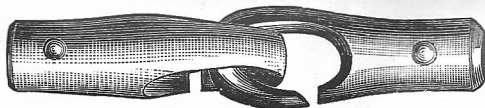
No. 1520



No. 1521

Code Word.	Number.		Polished.	Dipped.
<i>Barra</i>	1520	Cord Fastener, Stamped Brass, each, .	\$o 14	\$o 08
<i>Barrable</i>	1521	Cord Fastener, Cast Bronze, each, . .	24	16

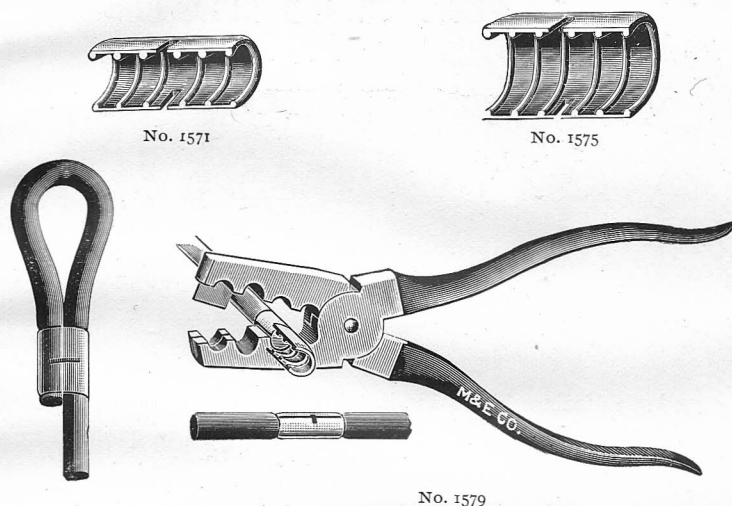
REGISTER CORD COUPLING



Code Word.	Number.		Polished.	Dipped.
<i>Barracan</i>	1522	Cord Coupling, Cast Bronze, each, . .	\$o 22	\$o 18

In ordering these fixtures be sure to specify style of finish. All prices include brass screws.

THE "KEYSTONE" CORD CONNECTOR



This is a most efficient and economical device for connecting all kinds of cords, either cotton or leather. It is particularly adapted for connecting signal bell cord and register cord as the joint is perfectly smooth and round and will travel through pulleys and guides as readily as the continuous cord.

The Connector consists of a soft steel, half open sleeve, having annular ribs on the inside which bite into the cord and holds it firmly from slipping. They are made in both single and double form as illustrated, and in various sizes for cords of different diameter.

The connectors are applied by means of a special plier which closes the sleeve around the cord and causes the ribs to sink into the material, thus making a joint having the full strength of the connector. As this is stronger than the cord it is readily seen that a very permanent connection is obtained.

All connectors for cotton cords are made 1 inch long and those for leather cord $\frac{3}{4}$ inch long.

The pliers are fitted with a tempered steel cutting blade with which to cut off the ends of the cord so as to get them straight and free from frays or irregularities.

Code Word. Number.

<i>Barrace</i>	1571	Single Connector for $\frac{1}{4}$ in. Leather, per 100, . . .	\$8 00
<i>Barrack</i>	1572	" " " $\frac{5}{16}$ " " " " . . .	8 00
<i>Barracoon</i>	1573	" " " $\frac{1}{4}$ " Cotton, " " " " . . .	8 00
<i>Barracuda</i>	1574	" " " $\frac{5}{16}$ " " " " " " . . .	8 00
<i>Barrad</i>	1575	Double " " $\frac{1}{4}$ " Leather, " " " " . . .	10 00
<i>Barrage</i>	1576	" " " $\frac{5}{16}$ " " " " " " . . .	10 00
<i>Barranca</i>	1577	" " " $\frac{1}{4}$ " Cotton, " " " " . . .	10 00
<i>Barras</i>	1578	" " " $\frac{5}{16}$ " " " " " " . . .	10 00
<i>Barrat</i>	1579	Special Pliers, each,	3 00

LEATHER REGISTER AND BELL CORD



We are large dealers in all kinds of leather bell and register cord and handle the best qualities only. We carry in stock all sizes quoted below and in three different tannages, viz. : Oak, Semi-Rawhide and Standard Rawhide.

OAK TANNED LEATHER CORD

We guarantee our Oak Tanned Cord to be of the very best quality, oiled and of full size, as specified.

Code Word. Number.

<i>Barrator</i>	1523	Full $\frac{3}{8}$ inch diameter, per 1000 feet,	\$25 00
<i>Barratry</i>	1524	" $\frac{1}{4}$ " " " " " "	35 00
<i>Barren</i>	1525	" $\frac{5}{16}$ " " " " " "	55 00

SEMI-RAWHIDE LEATHER CORD

This is a specially tanned leather, possessing all the qualities of regular rawhide, such as toughness and flexibility. We recommend it as the very best cord for use with registers and signal bells.

Code Word. Number.

<i>Barrenly</i>	1526	Full $\frac{1}{4}$ inch diameter, per 1000 feet,	\$45 00
<i>Barretero</i>	1527	" $\frac{3}{8}$ " " " " " "	55 00
<i>Barrfish</i>	1528	" $\frac{5}{16}$ " " " " " "	65 00

STANDARD RAWHIDE CORD

Made of selected parts of the hide and guaranteed to be of the very best quality.

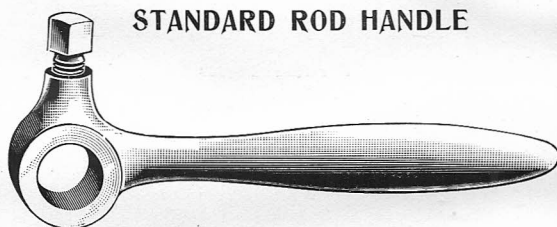
Code Word. Number.

<i>Barricade</i>	1529	Full $\frac{3}{8}$ inch diameter, per 1000 feet,	\$67 00
<i>Barricado</i>	1530	" $\frac{1}{4}$ " " " " " "	75 00
<i>Barrier</i>	1531	" $\frac{5}{16}$ " " " " " "	100 00

REGISTER ROD HANDLES

For Round Rods

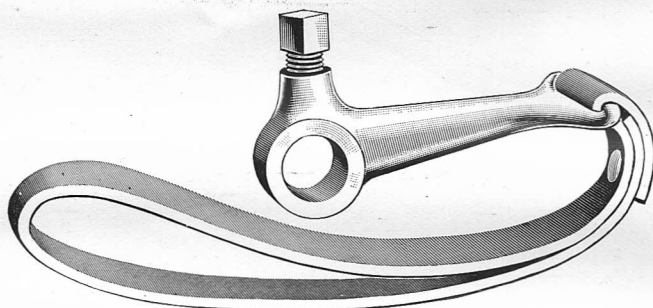
Made of new bronze metal and thoroughly well finished. All handles are fitted with case hardened cup set screws.



STANDARD ROD HANDLE

Code Word.	Number.		Polished.	Dipped.
<i>Barsight</i>	1538	Standard Rod Handle for $\frac{1}{2}$ inch Rod, each,	\$o 58	\$o 5o
<i>Barter</i>	1539	" " " " $\frac{5}{8}$ " " "	58	5o

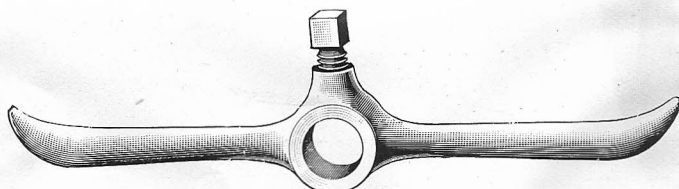
SPECIAL STRAP ROD HANDLE



This handle is especially designed for use on open cars where the register rod is usually so far up that the conductor can not reach a regular standard handle from his position on the running board.

Code Word.	Number.		Polished.	Dipped.
<i>Bartery</i>	1540	Special Strap Handle for $\frac{1}{2}$ inch Rod, each,	\$o 62	\$o 5o
<i>Barth</i>	1541	" " " " $\frac{5}{8}$ " " "	62	5o

DOUBLE ACTING ROD HANDLE

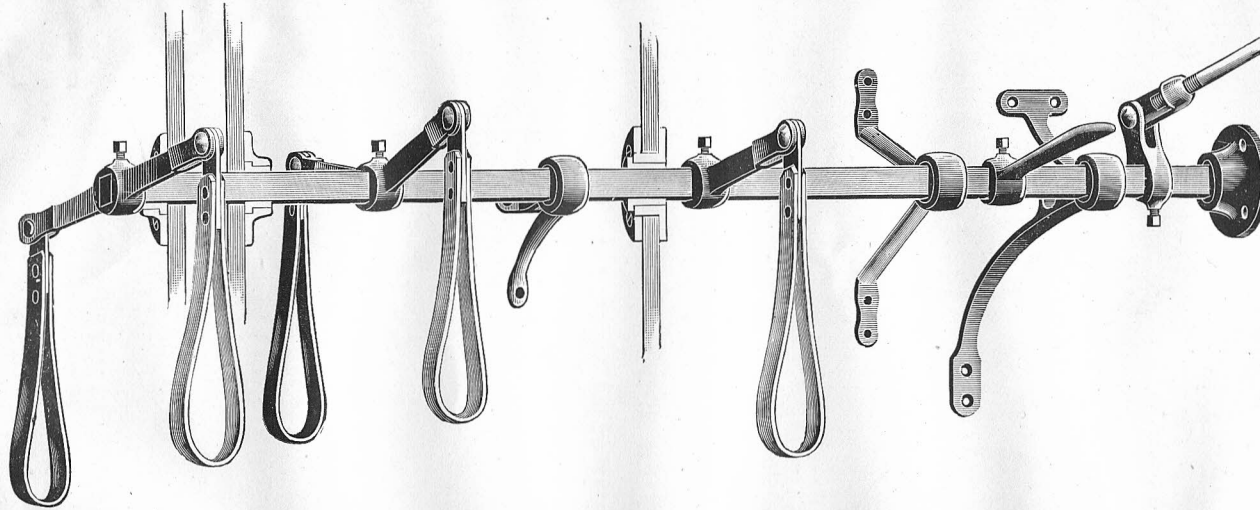


This is designed for operating a double register with the same rod or two single registers for different classes of fares, in open or closed cars.

Code Word.	Number.		Polished.	Dipped.
<i>Bartizan</i>	1542	Double Acting Handle, for $\frac{1}{2}$ inch Rod, each,	\$o 9o	\$o 64
<i>Bartolist</i>	1543	" " " " $\frac{5}{8}$ " " "	9o	64

In ordering these fixtures be sure to specify style of finish.

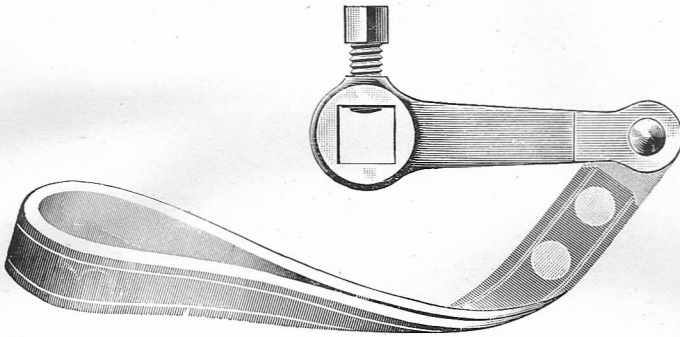
SQUARE ROD REGISTER RINGING DEVICES



This Illustration shows various types of Brackets and Handles for Square Rods

With the long double truck cars coming so generally into use, we have found it necessary to provide more substantial register ringing devices than those used in shorter cars. In a long car the friction in the ringing device on account of weight as well as numerous bearings in the brackets is considerable, causing the set screws in the handles to slip and become loose when a round rod is used. To overcome this we have designed a full line of fixtures for square rods. The brackets and end flanges are fitted with separate bronze bushings having square holes to fit the rod. The outside of the bushing is round and fits into the round bearing holes of the brackets and flanges. By making the bushings of large outside diameter the friction is reduced to a minimum and the holes in the handles being square makes it impossible for them to slip under the severest strain. We illustrate in the following pages some of the standard fixtures for $\frac{1}{2}$ inch and $\frac{5}{8}$ inch square rods.

REGISTER ROD HANDLES

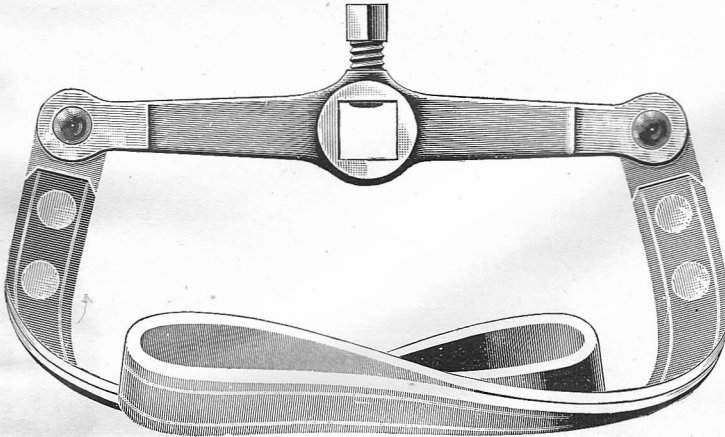


No. 1587.

Special rod handle with single strap for operating the register in open cars or on platforms of closed cars. Made of new bronze metal highly polished or dipped. This type of handle is made for either round or square rod.

Code Word.	Number.	Single Strap Handle, for $\frac{1}{2}$ in. Rd. Rod, each,						Polished.	Dipped.
<i>Barwood</i>	1584	"	"	"	"	"	"	\$o 70	\$o 60
<i>Barylite</i>	1585	"	"	"	"	$\frac{5}{8}$	"	70	60
<i>Baryta</i>	1586	"	"	"	"	$\frac{1}{2}$	Sq.	78	65
<i>Barytes</i>	1587	"	"	"	"	$\frac{5}{8}$	"	86	73

DOUBLE STRAP ROD HANDLE



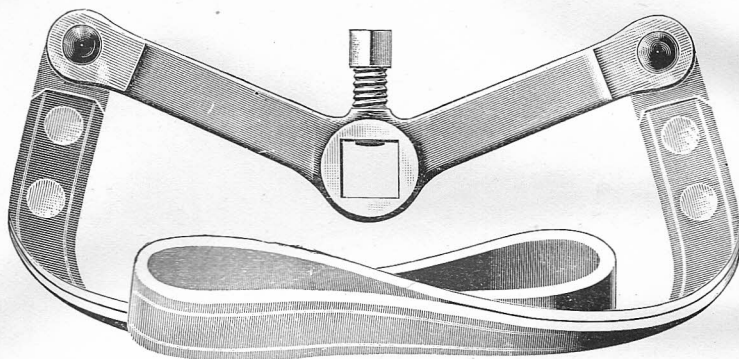
No. 1591

This handle is made specially for operating double registers. It is fitted with two straps of different colors to designate the class of fare it pulls. Made of new bronze metal for either round or square rod. Straight arms.

Code Word.	Number.	Double Strap Handle for $\frac{1}{2}$ in. Rd. Rod, each,						Polished.	Dipped.
<i>Barytic</i>	1588	"	"	"	"	"	"	\$1 05	\$o 85
<i>Barytine</i>	1589	"	"	"	"	$\frac{5}{8}$	"	1 05	85
<i>Barytone</i>	1590	"	"	"	"	$\frac{1}{2}$	Sq.	1 17	96
<i>Barytrope</i>	1591	"	"	"	"	$\frac{5}{8}$	"	1 30	1 09

In ordering these fixtures be sure to specify style of finish.

DOUBLE STRAP ROD HANDLE

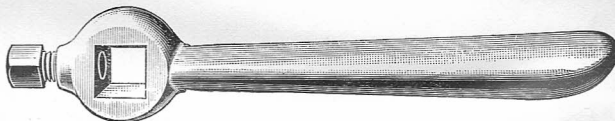


No. 1595.

This handle is the same as No. 1591 except that the arms stand at an angle with the centre. It can be used in position shown, or the reverse in places where the space between rod and car roof is limited. Made for either round or square rods.

Code Word.	Number.									Polished.	Dipped.
<i>Basal</i>	1592	Double Strap	Handle for	$\frac{1}{2}$ inch	Round Rod, each,	.	\$	1	05	\$	0 85
<i>Basalt</i>	1593	" "	" "	$\frac{5}{8}$ "	" "	" "	" "	.	1 05		85
<i>Basaltic</i>	1594	" "	" "	$\frac{1}{2}$ "	Square "	" "	" "	.	1 17		96
<i>Basalting</i>	1595	" "	" "	$\frac{5}{8}$ "	" "	" "	" "	.	1 30		1 09

DROP FORGED STEEL HANDLE



No. 1599

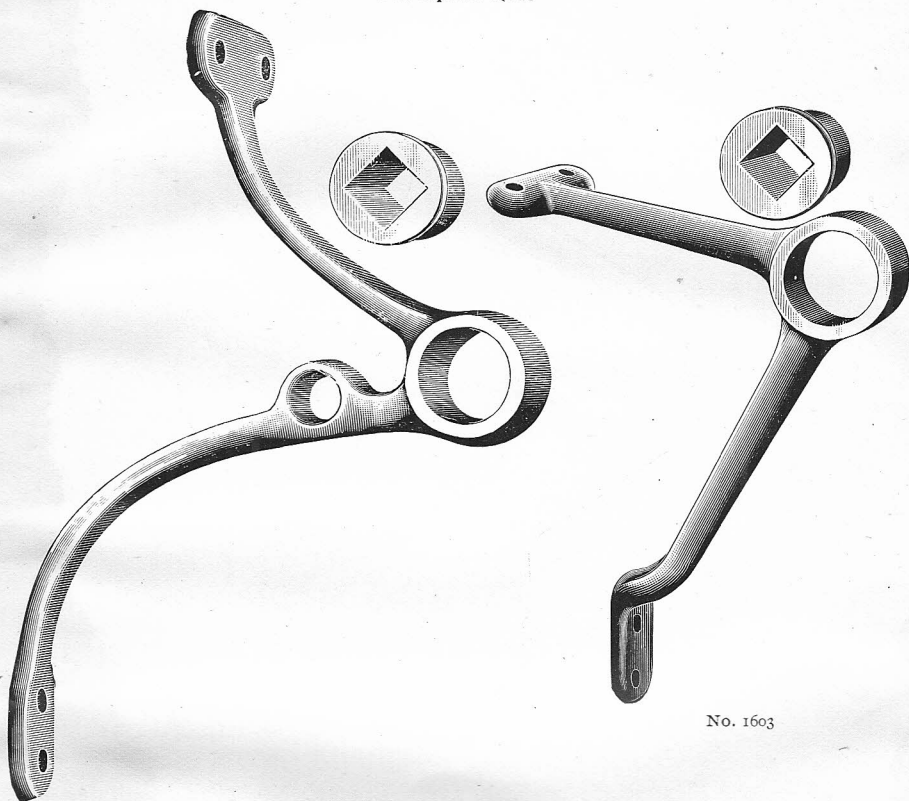
These handles being of drop forged steel are extra strong and will not bend under any strain that can be exerted by the hand. They are made for either round or square rods and furnished in plain black or aluminum painted.

Code Word.	Number.									Painted.	Plain.
<i>Basaltoid</i>	1596	D. F. Steel Handle for	$\frac{1}{2}$ inch	Round Rod, each,	.	\$	0	45		\$	0 42
<i>Basan</i>	1597	" "	" "	$\frac{5}{8}$ "	" "	" "	" "	.	45		42
<i>Basanite</i>	1598	" "	" "	$\frac{1}{2}$ "	Square "	" "	" "	.	45		42
<i>Basleu</i>	1599	" "	" "	$\frac{5}{8}$ "	" "	" "	" "	.	52		49

In ordering these fixtures be sure to specify style of finish.

REGISTER ROD BRACKETS

For Square Rods



No. 1601

No. 1603

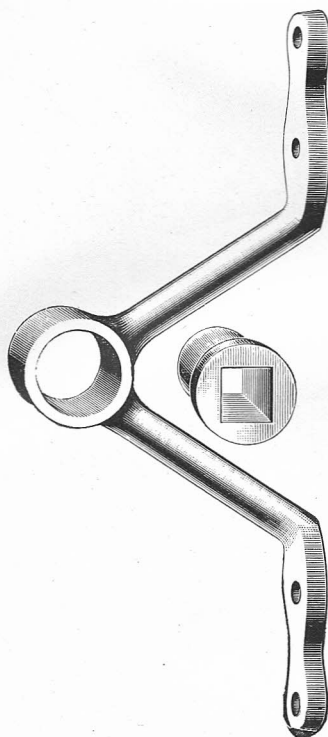
The above illustrations which are half size, show two types of brackets used in either closed or open cars. The larger one has a guide hole for carrying the signal cord also. The smaller bracket is for use where the available space for screwing it fast requires the angle of the foot as shown. Made of new bronze metal and furnished complete with square hole bushing.

Code Word.	Number.							Polished.	Dipped.
<i>Bascule</i>	1600	Rod Bracket for	$\frac{1}{2}$ in.	Sq. Rod, each,	.	\$1	70	\$1	50
<i>Basebag</i>	1601	"	"	"	"	"	"	"	"
<i>Baseball</i>	1602	"	"	"	"	"	"	"	"
<i>Baseboard</i>	1603	"	"	"	"	"	"	"	"

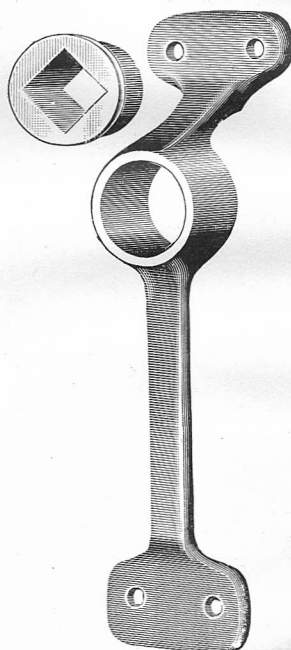
In ordering these fixtures be sure to specify style of finish All prices include brass screws.

REGISTER ROD BRACKETS

For Square Rods



No. 1605



No. 1607

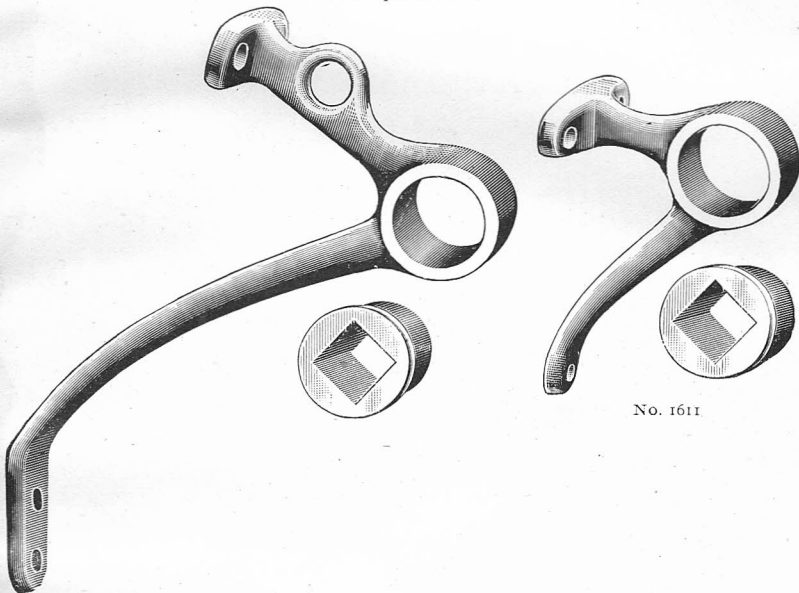
The above illustrations are half size. Bracket No. 1605 is suitable for either open or closed cars. Bracket No. 1607 is made especially for use in open cars where the construction of the end is such that the rod does not pass through any woodwork. When the operating crank is placed at this point it is necessary to use a bracket or brace of this description to keep the rod from springing. Made of new bronze metal and fitted with square hole bushings.

Code Word.	Number.							Polished.	Dipped.
<i>Basebroom</i>	1604	Rod Bracket for $\frac{1}{2}$ in. Sq. Rod, each,						\$1 17	\$0 99
<i>Basecourt</i>	1605	" "	" $\frac{5}{8}$	" "	" "	" "		1 30	1 12
<i>Baselard</i>	1606	Brace "	" $\frac{1}{2}$	" "	" "	" "		1 17	99
<i>Baselevel</i>	1607	" "	" $\frac{5}{8}$	" "	" "	" "		1 35	1 17

In ordering these fixtures be sure to specify style of finish. All prices include brass screws.

REGISTER ROD BRACKETS

For Square Rods



No. 1609

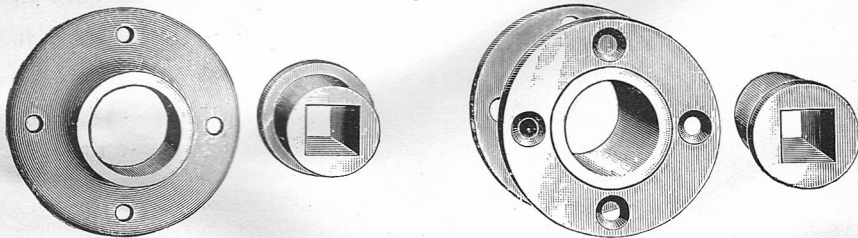
No. 1611

The above illustrations are half size. These types of brackets are suitable for use in either closed or open cars. Made of new bronze metal and fitted with square hole bushings.

Code Word.	Number.		Polished.	Dipped.
<i>Basely</i>	1608	Large Rod Bracket for $\frac{1}{2}$ in. Sq. Rod, each,	\$1 56	\$1 40
<i>Baseman</i>	1609	" " " " $\frac{3}{8}$ " " " "	1 77	1 61
<i>Basement</i>	1610	Small " " " " $\frac{1}{2}$ " " " "	91	76
<i>Basen</i>	1611	" " " " $\frac{5}{8}$ " " " "	1 04	88

END BUSHINGS AND WASHERS

For Square Rods



No. 1613

No. 1615

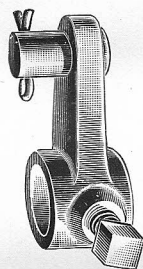
The end bushings are for use on both inside and outside of car end. The partition washers are for use in running the rod through the partition of compartment cars.

Code Word.	Number.		Polished	Dipped.
<i>Baseness</i>	1612	End Bushing for $\frac{1}{2}$ in. Sq. Rod, each,	\$0 62	\$0 58
<i>Basering</i>	1613	" " " " $\frac{3}{8}$ " " " "	70	65
<i>Bash</i>	1614	Partition Washer for $\frac{1}{2}$ in. Sq Rod, each,	94	83
<i>Bashaw</i>	1615	" " " " $\frac{3}{8}$ " " " "	1 04	94

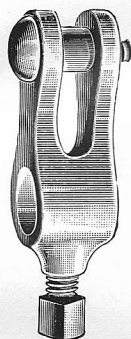
In ordering these fixtures be sure to specify style of finish. All prices include brass screws.

REGISTER ROD CRANKS

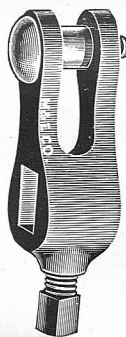
Made of new bronze metal and fitted with case hardened cup set screws, steel bearing pins and cotter pins



No. 1553



No. 1555

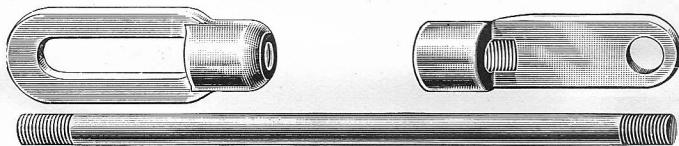


No. 1617

Code Word.	Number.								Polished.	Dipped.
<i>Bashful</i>	1552	Standard Crank for $\frac{1}{2}$ inch Round Rod, each,							\$0 47	\$0 39
<i>Bashless</i>	1553	" " " $\frac{3}{8}$ " " " "							47	39
<i>Bashlyk</i>	1554	Clevis " " $\frac{1}{2}$ " " " "							60	50
<i>Basia</i>	1555	" " " $\frac{3}{8}$ " " " "							60	50
<i>Basial</i>	1616	" " " $\frac{1}{2}$ " Square " " " "							65	54
<i>Basiation</i>	1617	" " " $\frac{3}{8}$ " " " " " "							70	60

CROSS CONNECTING PULL BARS

Our Adjustable Register Pull Bars are far superior to the old style metal straps. They are made of Bessemer Steel rods, copper plated, threaded on both ends and fitted with cast bronze screw terminals.



Details of No. 1556

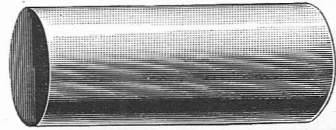
Code Word.	Number.							Polished.	Dipped.
<i>Basiator</i>	1556	Pull Bar 40 inches for open cars, complete, each,						\$1 20	\$1 00
<i>Basicity</i>	1557	" " 28 " " closed cars, " " " "						1 10	90
<i>Basidia</i>	1558	Slotted Pull Bar Terminal, threaded " " " "						39	31
<i>Basidium</i>	1559	Long " " " " " " " "						34	26
<i>Basifixed</i>	1560	Short " " " " " " " "						26	21
<i>Basifugal</i>	1561	Steel Rod, threaded, 36 to 40 inches long " " " "						56	48

In ordering these fixtures be sure to specify style of finish.

ROUND STEEL REGISTER RODS



No. 1562



No. 1563

Made of Bessemer steel, cold rolled and accurate to size.

Code Word.	Number.		Weight per foot.	Per Lb.
<i>Basify</i>	1562	Round Steel Rod, $\frac{1}{2}$ inch diameter,667	\$0 07
<i>Basilad</i>	1563	" " " $\frac{3}{8}$ " "	1.05	06

SQUARE STEEL REGISTER RODS



No. 1618

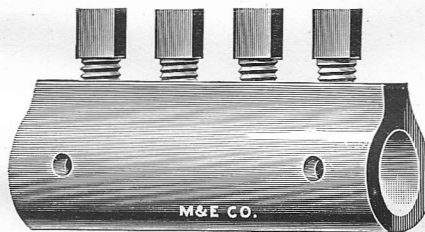


No. 1619

Made of Bessemer steel, cold rolled and accurate to size.

Code Word.	Number.		Weight per foot.	Per lb.
<i>Basilar</i>	1618	Square Steel Rod, $\frac{1}{2}$ inch,845	\$0 10
<i>Basilary</i>	1619	" " " $\frac{3}{8}$ " "	1.32	10

REGISTER ROD COUPLINGS



No. 1621

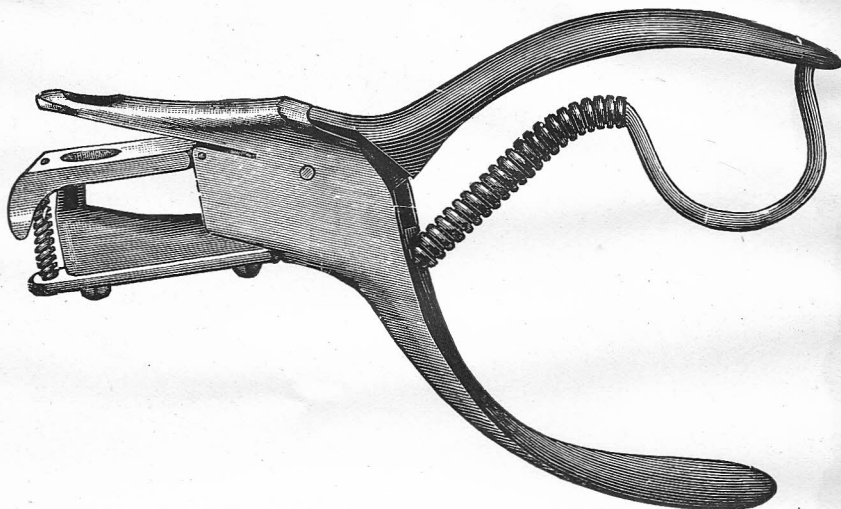
As it is not always convenient or even possible to obtain full lengths in register rods for long modern cars, we make the above couplings for splicing two rods together. They are thoroughly reliable and hold the rods firmly together. Made of bronze metal with case hardened set screws, and for round or square rod. We can also furnish these in cast iron, aluminum painted.

Code Word.	Number.		Polished.	Dipped.
<i>Basilian</i>	1620	Bronze Coupling for $\frac{1}{2}$ inch Round Rod, each, . .	\$1 30	\$1 15
<i>Basilic</i>	1621	" " " $\frac{5}{8}$ " " " " . .	1 30	1 15
<i>Basilica</i>	1622	" " " $\frac{1}{2}$ " Square " " . .	1 30	1 15
<i>Basilical</i>	1623	" " " $\frac{5}{8}$ " " " " . .	1 30	1 15
<i>Basilicok</i>	1624	Iron Coupling " $\frac{1}{2}$ " " " " " . .	Painted.	45
<i>Basilisk</i>	1625	" " " $\frac{5}{8}$ " " " " " . .	"	45

In ordering these fixtures be sure to specify style of finish.

CONDUCTORS' TICKET PUNCHES

We illustrate below an assortment of strictly first-class ticket punches, in various designs and at different prices.

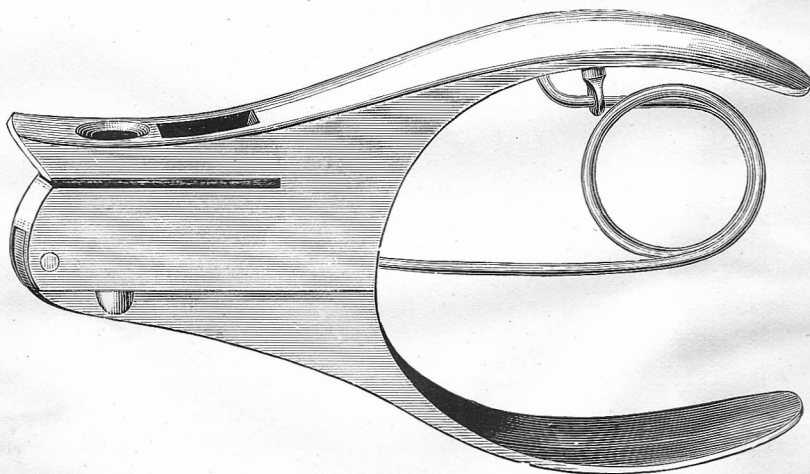


TYPE 2 PUNCH

This is the highest class ticket punch on the market. It is thoroughly well made and very durable under the hardest service. The standard railroad punch.

Code Word. Number.

<i>Basilthyme</i>	1564	Type 2 Punch, Single Punch, each,	\$ 4 00
<i>Basilweed</i>	1564	" 2 " Per Dozen,	42 00



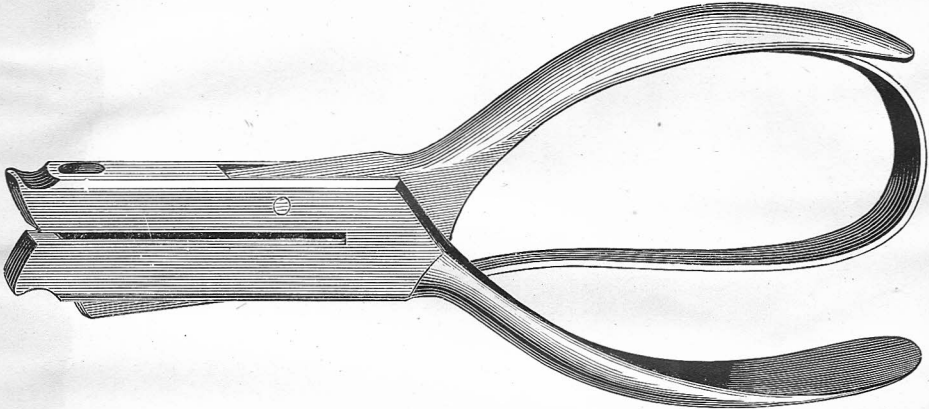
TYPE 3 PUNCH

This punch is especially adapted to long reach, and will be made in any length of reach desired.

Code Word. Number.

<i>Basin</i>	1565	Type 3 Punch, Single Punch, each,	\$ 2 50
<i>Basinful</i>	1565	" 3 " Per Dozen,	27 00

CONDUCTORS' TICKET PUNCHES



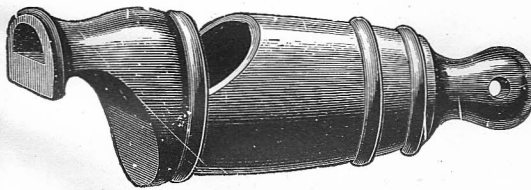
TYPE 8 PUNCH

This is a well made reliable Punch at a moderate price.

Code Word. Number.

<i>Basintrap</i>	1566	Type 8 Punch, Single Punch, each,	\$ 2 50
<i>Basion</i>	1566	“ 8 “ Per Dozen,	25 00

CONDUCTORS' CELLULOID WHISTLES



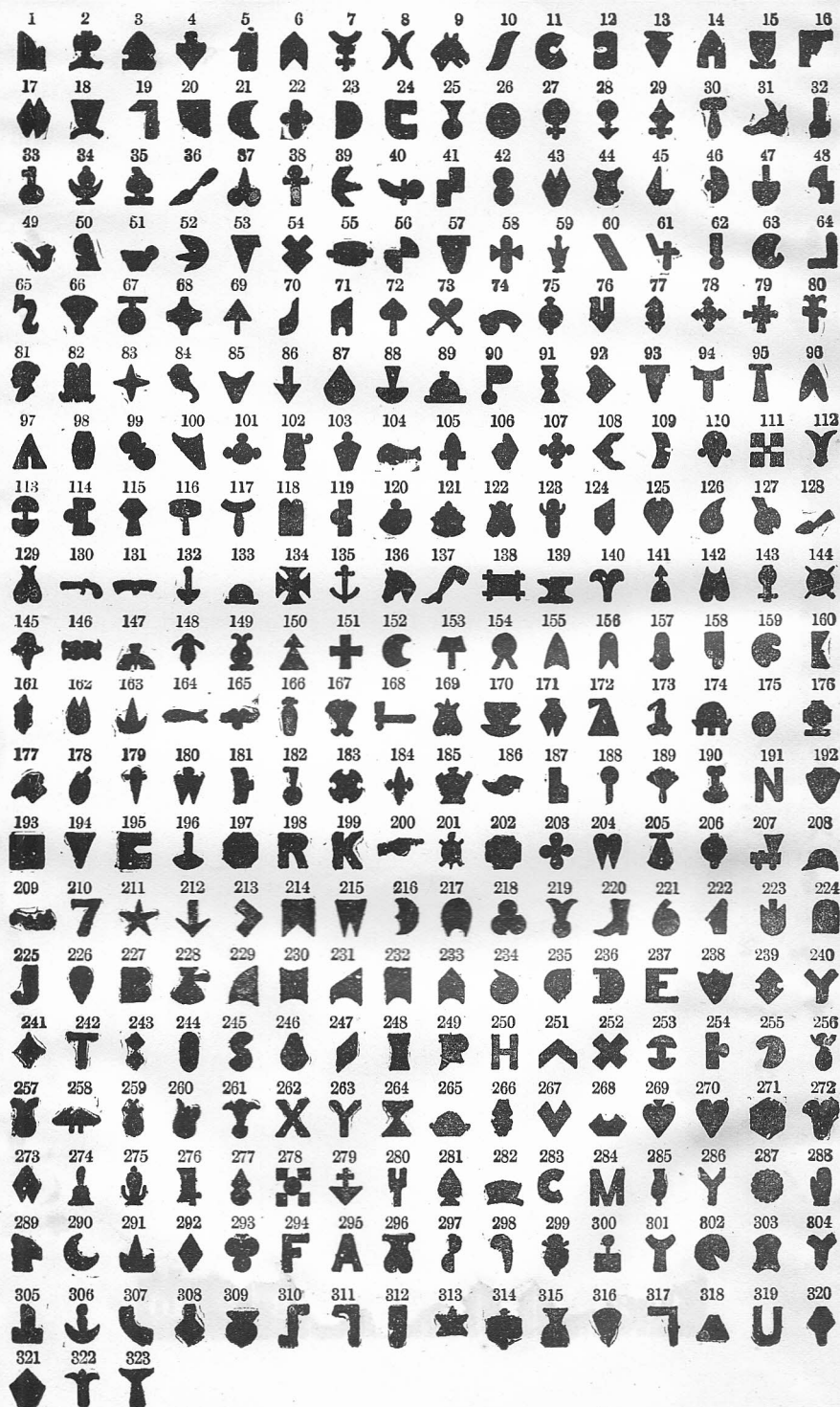
CUT FULL SIZE

Made in white, red, purple or blue celluloid. Furnished in assorted colors unless otherwise specified.

Code Word. Number.

<i>Basisolute</i>	1567	In lots of one dozen, per dozen,	\$3 00
<i>Basist</i>	1567	“ “ “ “ gross, “ “	2 50

DIES FOR TICKET PUNCHES



DIES FOR TICKET PUNCHES

Unless specially ordered we will furnish punches in quantities with general assorted dies. Selected dies will not cost anything extra but will require time for making up if not in stock.



SAMPLE HALF PAID 2ND CLASS CANCELED



Scale of Sizes.



EMPLOYEES' BADGES AND CAP BANDS



We illustrate above a new line of employees' badges. These are made with aluminum frames and the numbers of same metal. The letters are made in white enamel with blue enamel background, or the reverse. These badges are very light and durable and do not require polishing to look bright and clean. Made in any design and with any lettering required. These badges are attached to uniform by means of screw-head buttons on the back of badge.

ILLUSTRATIONS ARE HALF ACTUAL SIZE

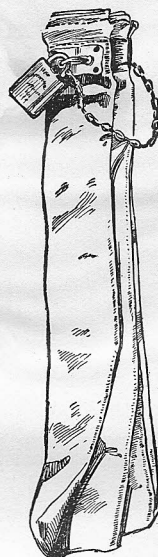
Code Word.	Number.					
<i>Bask</i>	1626	Conductor's Badge as shown, each,	.	.	.	\$2 50
<i>Basket</i>	1627	Motorman's " " "	.	.	.	2 30
<i>Basketry</i>	1628	Inspector's " " "	.	.	.	2 50
<i>Basking</i>	1629	General " " "	.	.	.	3 50
<i>Baslard</i>	1630	Employee's " " "	.	.	.	2 50
<i>Basmetric</i>	1631	Conductor's Cap Band " "	.	.	.	1 30
<i>Bason</i>	1632	Motorman's " " " "	.	.	.	1 00

Discounts according to quantity,
special prices on large orders.

CONDUCTORS' SECURITY REPORT BAG



Bag Open



Bag Closed

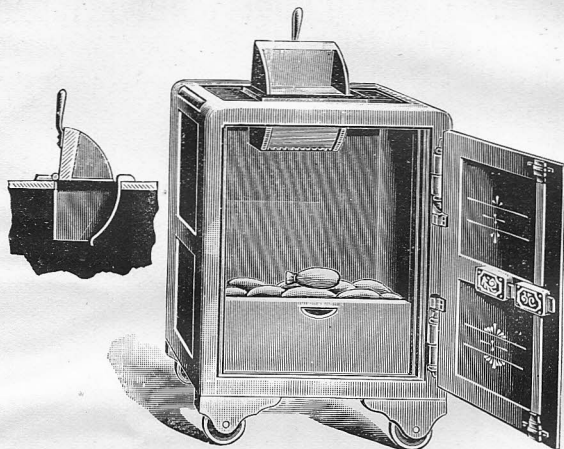
This bag is designed to take the place of the report envelopes used so largely by street railways, and its two principal advantages are economy and security. The bag is made of strong canvas reinforced with heavy leather, and is of suitable shape for holding conductors' cash, tickets, trip card, etc., and is securely locked with the best of Yale locks. When unlocked it can be opened quite as easily as an envelope. The method of using the bag is about the same as with envelopes, except that after checked up by cashier it is returned to the depot for the next report. The economy of this device is apparent when compared with the usual cost of envelopes. Take fifty reports per day for three years and the cost of envelopes is about \$150.00. The security bag costs \$1.00 each, and with ordinary care is guaranteed to last three years, making its cost \$50.00 for fifty bags, or a saving of two-thirds. With care in handling the bags they will last over three years and show consequent greater economy.

Code Word. Number.

Basque 1633 Security Report Bag, each, \$1 00

RECEIVER'S CASH SAFE

Solid Angle Welded, Round Cornered, Single Door



This safe is designed especially for use in Street Railway Receiving Offices for depositing Conductors' cash sacks and reports. It is fitted at the top with a special receiving shute constructed and hinged somewhat on the principle of a U. S. Mail Box, so that the top and bottom of the shute open alternately. When a package is deposited at the top it remains in the upper chamber until the cover is closed which operation opens the lower mouth of the shute and allows the package to drop to the bottom of safe. Once deposited it cannot be extracted as the shute is always closed at one end.

The safe is usually placed at a window through which the conductor passes his package and lifts up the handle of the shute cover to deposit into the safe. In ordering this safe state location of the handle in relation to the safe door: whether at door side, opposite side, right side or left side, all determined as when standing in front of door.

The safe is of standard manufacture with body made of No. 14 iron, paneled with $\frac{1}{4}$ inch thick bars. Angles and lap bars are $\frac{1}{4}$ inch thick. Front and door of $\frac{1}{4}$ inch Bessemer steel, paneled $\frac{1}{4}$ inch thick bars, showing edges $\frac{1}{2}$ inch. Highly finished steel bolts operating simultaneously up, down and forward, controlled by four-tumbler combination lock. Polished and plated lock case, handle, dial and hinge ornaments.

DIMENSIONS AND PRICE LIST

Code Word	Number	Outside Dimensions, Inches			Inside Dimensions Inches			Approximate Weight, Pounds	Price Each
		High	Wide	Deep	High	Wide	Deep		
<i>Basquine</i> . . .	2217	32	21	20	24	19	17	280	\$160 00
<i>Basquish</i> . . .	2218	34	23	21	26	21	18	305	180 00
<i>Bass</i> . . .	2219	38	26	23	30	24	20	350	195 00
<i>Bassalia</i> . . .	2220	42	28	24	34	26	21	390	215 00
<i>Bassano</i> . . .	2221	44	30	25	36	28	22	430	235 00

Outside heights include 6 inch wheels.
Special sizes of these safes made to order.

