# VALVES AND FITTINGS FOR ALL PRESSURES AND PURPOSES

## CATALOGUE No. 50

JUNE, 1917

FOUNDED BY R. T. CRANE 1855

CRANE CO.

836 SO. MICHIGAN AVE.

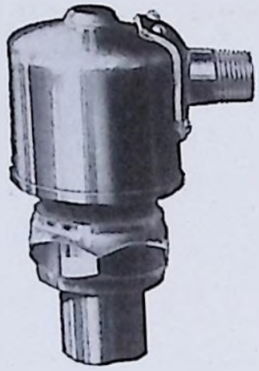
CHICAGO

LOS ANGELES BRANCH

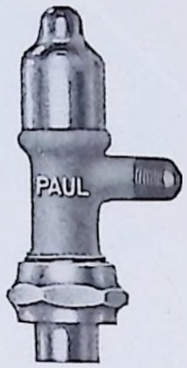
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# AUTOMATIC AIR VALVES

## FOR DRIP OR VACUUM AIR LINE SERVICE



No. 3 HOFFMAN AIR LINE VALVE



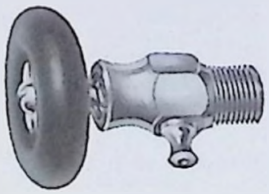

PAUL VALVE

| | | |
|---|---|---|
| No. 3, Hoffman | Each | 2.50 |
| Paul Valve | Each | 1.25 |

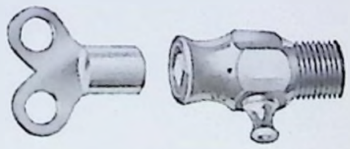
These Valves have ⅛ inch nipple connection for radiator and ¼ inch union connection.

## COMPRESSION

# RADIATOR AIR VALVES



No. 206



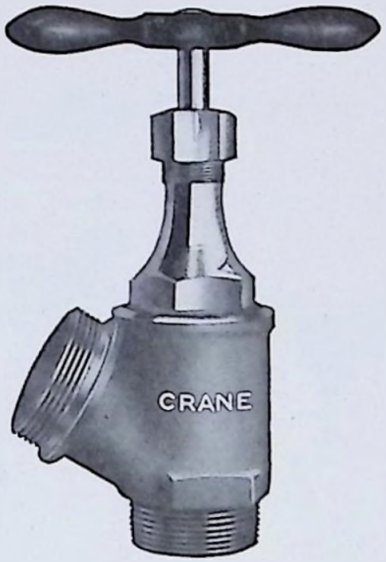
No. 210

| | | |
|---|---|---|
| Size | Inches | ⅛ |
| No. 206, Wood Wheel, Plated | Each | .70 |
| No. 210, Lock Shield, Plated | Each | .57 |
| Keys for No. 210, Extra | Each | .18 |



# STANDARD HOSE VALVES

## BRASS




### No. 50. IRON HANDLE, LOOSE SWIVEL AND LEATHER DISC

| Size | Inches | 1 | 1¼ | 1½ | 2 | 2½ |
|---|---|---|---|---|---|---|
| Price, Rough Body, Plain | Each | 3.15 | 3.70 | 4.75 | 7.00 | 8.50 |
| Price, Rough Body, Plated all over | Each | 3.65 | 4.30 | 5.50 | 8.00 | 9.75 |

### No. 52. FINISHED BRASS WHEEL, LOOSE SWIVEL AND LEATHER DISC

| Size | Inches | 1½ | 2 | 2½ |
|---|---|---|---|---|
| Price, Finished all over | Each | 9.00 | 11.50 | 14.50 |
| Price, Finished and Plated all over | Each | 10.00 | 12.75 | 16.00 |

These Valves have more clearance than those shown on following page. No. 52 Valves are made to order only.

The hose end of these Valves, in sizes from 1 to 2 inch, inclusive, are all fitted with the Chicago Standard hose thread. The 2½ inch is fitted with the Chicago Fire Department hose thread. If a different thread is required, it will be necessary to send us a sample thread, preferably the male end of a hose coupling.

An extra charge will be made for special hose thread, other than those specified.

When so ordered, we will furnish these Valves with iron pipe thread, both ends, at regular prices.


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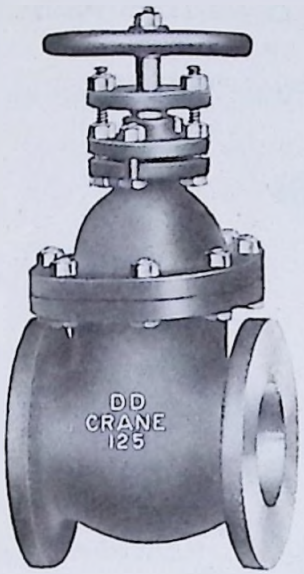
# STANDARD GATE VALVES

DOUBLE DISC CRANE SPECIAL BRASS PARALLEL SEATS IRON BODY

FOR STEAM WORKING PRESSURES

SIZES 16 INCH AND SMALLER, UP TO 125 POUNDS
SIZES 18 INCH AND LARGER, UP TO 100 POUNDS

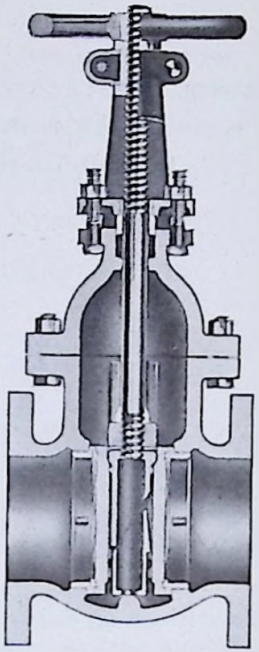
FOR WATER WORKING PRESSURES, SEE PAGE A




No. 481 FLANGED

OPEN

TO THE LEFT



No. 483 FLANGED

## PRICE LIST. NON-RISING STEM VALVES

| Size.....Inches | 2 | 2½ | 3 | 3½ | 4 | 4½ | 5 | 6 |
|---|---|---|---|---|---|---|---|---|
| No. 480, Screwed..Each | 10.00 | 11.50 | 14.00 | 17.00 | 19.00 | 24.00 | 27.50 | 32.50 |
| No. 481, Flanged..Each | 12.00 | 13.50 | 16.50 | 19.50 | 23.00 | 28.00 | 31.50 | 36.50 |

| Size.....Inches | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 |
|---|---|---|---|---|---|---|---|---|
| No. 480, Screwed..Each | 54.00 | 90.00 | 125.00 | | | | | |
| No. 481, Flanged..Each | 58.00 | 95.00 | 133.00 | 181.00 | 260.00 | 350.00 | 425.00 | 600.00 |

THESE VALVES ARE USED EXTENSIVELY FOR HOT WATER WASHOUT SYSTEMS AND IN WATER CONSERVING PLANTS.

## PRICE LIST. RISING STEM VALVES

| Size.....Inches | 2 | 2½ | 3 | 3½ | 4 | 4½ | 5 | 6 |
|---|---|---|---|---|---|---|---|---|
| No. 482, Screwed..Each | 17.50 | 19.00 | 22.00 | 25.00 | 30.00 | 37.00 | 42.00 | 48.00 |
| No. 483, Flanged..Each | 19.50 | 21.00 | 24.50 | 27.50 | 34.00 | 41.00 | 46.00 | 52.00 |

| Size.....Inches | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 |
|---|---|---|---|---|---|---|---|---|
| No. 482, Screwed..Each | 80.00 | 122.00 | 160.00 | | | | | |
| No. 483, Flanged..Each | 84.00 | 127.00 | 168.00 | 236.00 | 325.00 | 435.00 | 525.00 | 725.00 |

For general dimensions, see page 674.
Templates for drilling, page 650. Price List for drilling, page 141.

## VALVES FOR WOOD PRESERVING PLANTS

When these Valves are to be used in Wood Preserving Plants, they will be furnished with Monel Metal Trimmings and Stems.

PRICES ON APPLICATION



# PRICE LIST FOR DRILLING

## STANDARD AND LOW PRESSURE FLANGED VALVES

| Size Inches | Drilling Valves with 2 Flanges except Angle Valves Each | Drilling Angle Valves Each | Drilling Cross Valves and Cross Safety Valves Each |
|---|---|---|---|
| ¾ | .60 | 1.00 | 1.20 |
| 1 | .60 | 1.00 | 1.20 |
| 1¼ | .60 | 1.00 | 1.20 |
| 1½ | .60 | 1.00 | 1.20 |
| 2 | .75 | 1.25 | 1.50 |
| 2½ | .75 | 1.25 | 1.50 |
| 3 | .75 | 1.25 | 1.50 |
| 3½ | 1.00 | 1.50 | 2.00 |
| 4 | 1.25 | 1.75 | 2.50 |
| 4½ | 1.50 | 2.00 | 3.00 |
| 5 | 1.50 | 2.00 | 3.00 |
| 6 | 1.75 | 2.50 | 3.50 |
| 7 | 2.25 | 3.00 | 4.50 |
| 8 | 2.25 | 3.00 | 4.50 |
| 9 | 2.50 | 3.50 | 5.00 |
| 10 | 2.50 | 3.50 | 5.00 |
| 12 | 3.50 | 5.00 | 7.00 |
| 14 | 4.00 | 6.00 | |
| 15 | 4.50 | 6.50 | |
| 16 | 5.00 | 7.00 | |
| 18 | 6.00 | 10.00 | |
| 20 | 7.50 | 12.00 | |
| 22 | 9.00 | 14.00 | |
| 24 | 10.00 | 16.00 | |
| 26 | 11.00 | 18.00 | |
| 28 | 12.00 | 20.00 | |
| 30 | 12.00 | 22.00 | |
| 32 | 12.00 | 22.00 | |
| 34 | 14.00 | 24.00 | |
| 36 | 14.00 | 24.00 | |
| 42 | 25.00 | | |
| 48 | 30.00 | | |

BOLT HOLES WILL NOT BE SPOT FACED UNLESS SO ORDERED, WHEN AN EXTRA CHARGE OF FIVE CENTS, NET, PER HOLE WILL BE MADE.

FOR DRILLING TEMPLATES, SEE PAGE 650


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# MEDIUM GATE VALVES

FERROSTEEL BODY
WEDGE GATE

OPEN TO THE LEFT

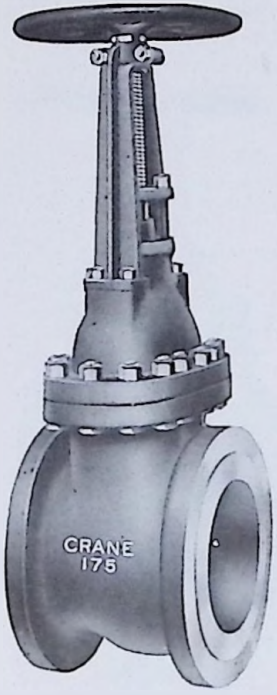
CRANE SPECIAL BRASS SEATS
PATENTED

FOR STEAM AND WATER WORKING PRESSURES, ACCORDING TO SIZE, VIZ.:

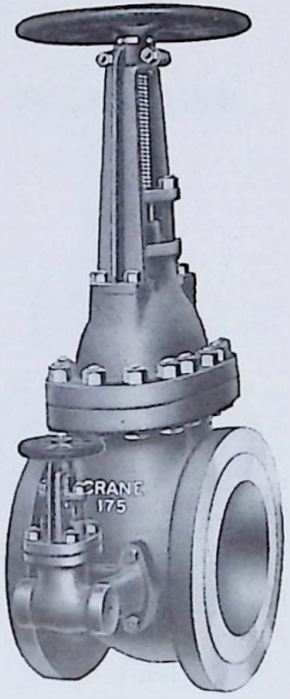
STEAM { SIZES 16 INCH AND SMALLER. UP TO 175 POUNDS
SIZES 18 INCH AND LARGER . UP TO 150 POUNDS

WATER { SIZES 12 INCH AND SMALLER. UP TO 250 POUNDS
SIZES 14 INCH AND LARGER . UP TO 200 POUNDS

TESTED TO 600 POUNDS HYDRAULIC PRESSURE PER SQUARE INCH




No. 505




No. 507

| Size...Inches | 2 | 2½ | 3 | 3½ | 4 | 4½ | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|---|---|
| No. 504, Scrd. Each | 23.00 | 25.00 | 29.00 | 35.00 | 40.00 | 50.00 | 54.00 | 65.00 | 90.00 | 110.00 |
| No. 505, Flgd. Each | 25.50 | 27.50 | 32.00 | 38.00 | 45.00 | 55.00 | 59.00 | 72.00 | 97.00 | 117.00 |
| No. 507, Flgd. Each | | | | | | | | 100.00 | 125.00 | 148.00 |

| Size...Inches | 9 | 10 | 12 | 14 | 15 | 16 | 18 | 20 | 24 | |
|---|---|---|---|---|---|---|---|---|---|---|
| No. 504, Scrd. Each | 145.00 | 170.00 | 215.00 | | | | | | | |
| No. 505, Flgd. Each | 152.00 | 178.00 | 225.00 | 340.00 | 400.00 | 450.00 | 600.00 | 775.00 | 1175.00 | |
| No. 507, Flgd. Each | 183.00 | 210.00 | 260.00 | 390.00 | 450.00 | 510.00 | 660.00 | 850.00 | 1250.00 | |

The outside screw indicates whether Valve is open, partly open or closed.

It is desirable that all Valves 6 inches and larger have a By-Pass.

For general dimensions, see page 671.

Templates for drilling, page 652. Price List for drilling, page 152.



# MEDIUM GATE VALVES

## ANGLE PATTERN

FERROSTEEL BODY
WEDGE GATE

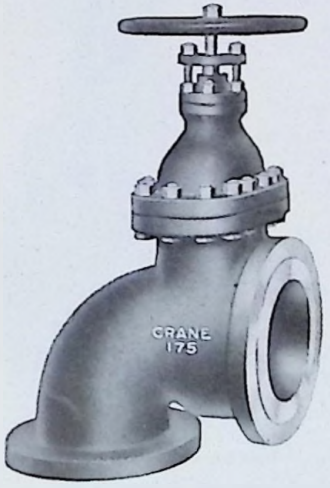
CRANE SPECIAL BRASS SEATS
OPEN TO THE LEFT

FOR STEAM AND WATER WORKING PRESSURES, ACCORDING TO SIZE, VIZ.:

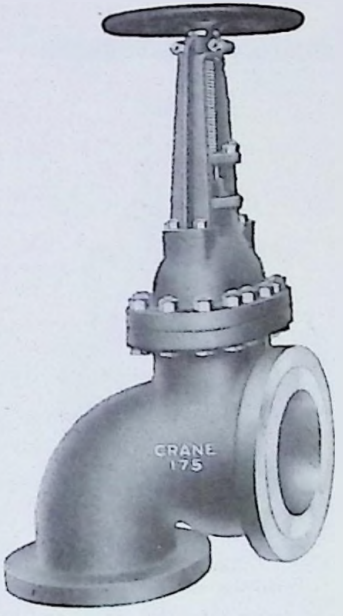
STEAM { SIZES 16 INCH AND SMALLER, UP TO 175 POUNDS
SIZE 18 INCH . . . . . UP TO 150 POUNDS

WATER { SIZES 12 INCH AND SMALLER, UP TO 250 POUNDS
SIZES 14 INCH AND LARGER, UP TO 200 POUNDS

TESTED TO 600 POUNDS HYDRAULIC PRESSURE PER SQUARE INCH




No. 511
NON-RISING STEM




No. 513
OUTSIDE SCREW AND YOKE

| Size.....Inches | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
|---|---|---|---|---|---|---|---|---|
| No. 511, Price....Each | 65.00 | 85.00 | 100.00 | 130.00 | 150.00 | 195.00 | 225.00 | 300.00 |
| No. 513, Price....Each | 77.00 | 100.00 | 115.00 | 145.00 | 175.00 | 220.00 | 250.00 | 330.00 |

These Valves will be furnished, screwed, 12 inch, and smaller at a special price. Other sizes than those listed, prices on application.

When so specified, 6 inch and larger Valves can be fitted with By-Pass.

For general dimensions, see page 671.

Templates for drilling, page 652. Price List for drilling, page 152.


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# MOTOR OPERATED GATE VALVES

## GENERAL DESCRIPTION

These Valves are manufactured in sixes 4 to 72 inch, inclusive, for all conditions of pressure and service. Any of the various lines of Crane iron body and steel gate valves can be supplied with motor.

Sizes 24 inch and smaller are furnished with outside screw and yoke unless otherwise ordered.

Sizes larger than 24 inch are furnished with inside screw non-rising stem unless otherwise ordered. Non-rising stem valves are made with indicator to show the position of the gate.

The motor is mounted on a stand which is bolted to the valve bonnet and operates the valve through a train of enclosed gears. All parts of the motor drive are on the outside. The valve has no more inside parts than a hand operated valve. A hand wheel is provided by means of which the valve can be operated by hand when electric power is not in service.

The motors for Crane Motor Operated Gate Valves are manufactured especially for valve service and can be installed directly on full voltage without the use of resistance or compensating starter. They are sufficiently powerful to operate the valve under the most extreme conditions and can be furnished for direct current or polyphase alternating current of standard voltages.

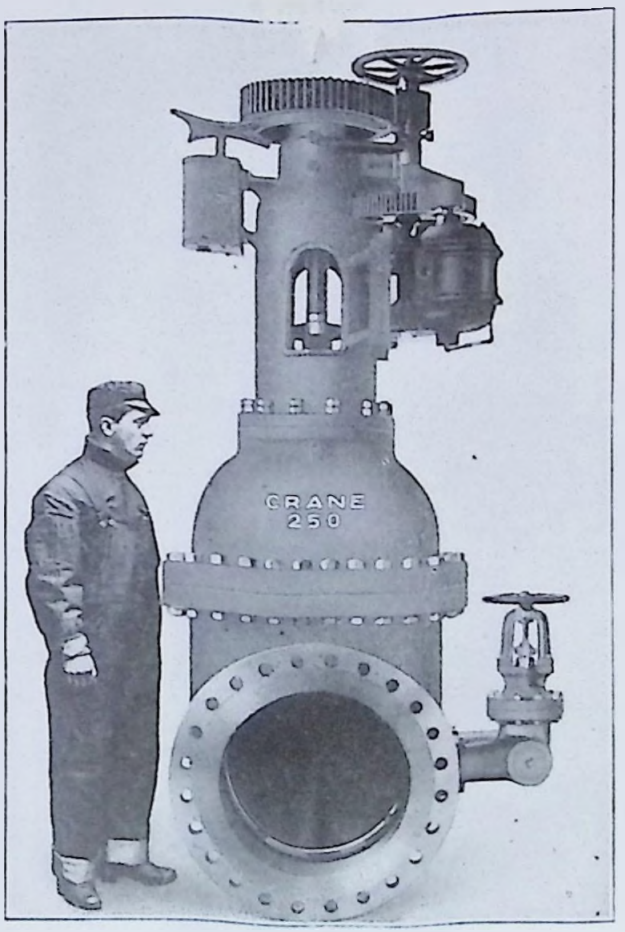
All Crane Motor Operated Gate Valves are provided with a limit switch which automatically stops the motor when the valve is tightly seated or wide open. This switch is capable of fine adjustment and is so constructed that the adjustment cannot change in operation.

Two types of control can be furnished; Short Distance and Remote. The short distance control consists of a panel with a line switch, operating switch and fuses. In opening or closing the valve the operator manipulates only one switch. The motor may be stopped at any point of the valve travel, by merely opening the operating switch.

The remote control is used when the valve is installed at a considerable distance from the control station. This type of control has two panels, one for the control station and the other to be located as near the valve as convenient. The operation of the valve is controlled by manipulation of the single switch on the operator's panel just as it is with short distance control. Indicator lamps on the operator's panel show whether the valve is open, closed, or partly open.



MO- -D
GA .VES




Any of the various lines of Crane Iron Body and Steel Gate Valves can be supplied with motor.

Orders or inquiries for prices should specify the following:

1. Working pressure.
2. Description of service.
3. If direct current, give voltage.
4. If alternating current, give voltage, cycles and phases.
5. Specify type of control, whether short distance or remote.
6. If short distance, state whether indicating lamps are desired. Remote control is regularly furnished with indicating lamps.
7. If remote control, state whether Valve is to be operated from one or from more than one station.


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