1 23 98
$ 3.50

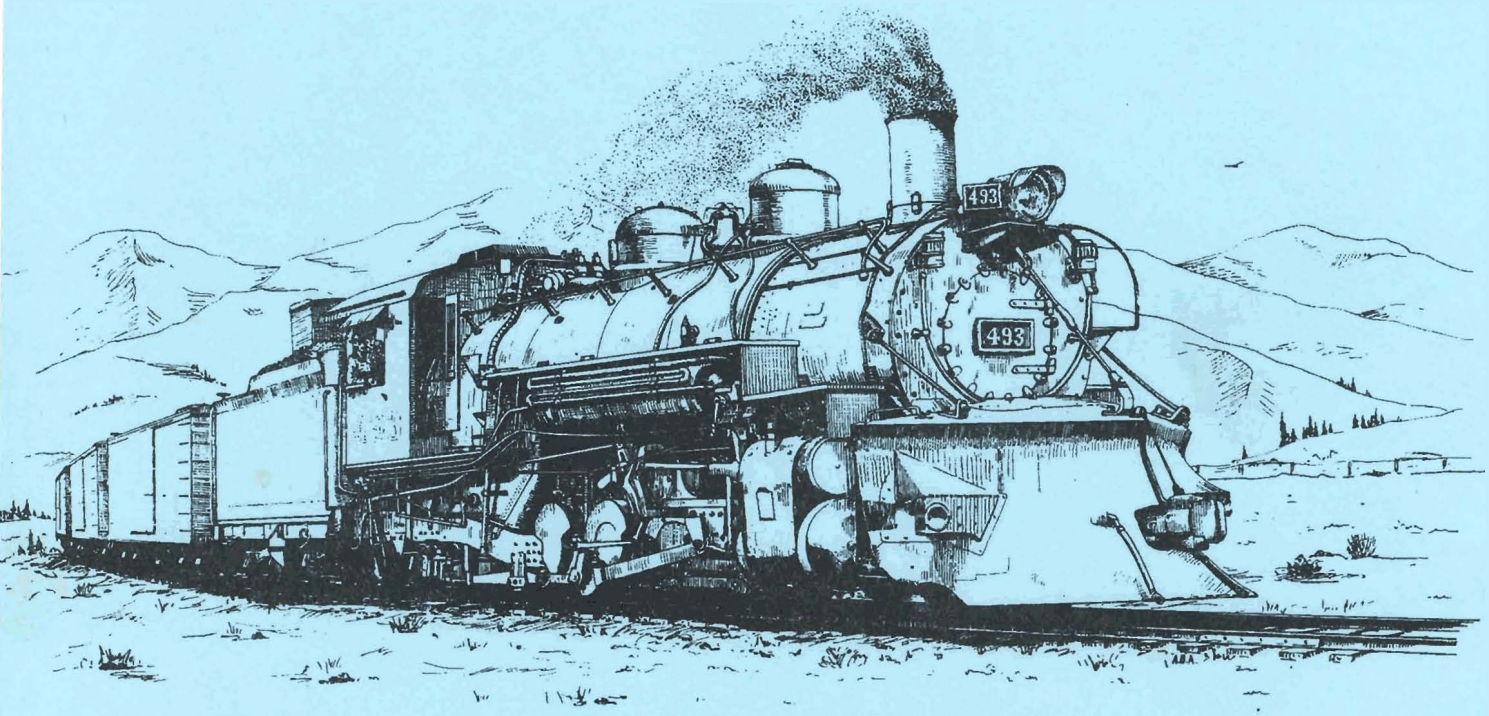
S-SN3 CATALOG NO. 4

OF

LOCOMOTIVE

AND

FINE DETAILING PARTS



PRECISION SCALE Co., INC.

FINEST QUALITY
1/2"-3/8"-0-0n3-S-Sn3-HO-HO3-N
BRASS CASTINGS FOR DETAILING
MINIATURE LOCOMOTIVES & CARS

Iron Horse Models

3961 HIGHWAY 93 NORTH
STEVENSVILLE, MONTANA 59870

Phone: 406-777-5071
Fax: 406-777-5074

A

Air & armored hoses.....4a
Air pump governors.....4a
Air reservoirs (tanks).....4,4a
Air strainers.....4a
Arm rests.....4a
Axe.....16

B

Backheads.....5
Back-up lights & brackets.....13
Barrel.....16
Bells & brackets.....5
Blow-off cocks.....5
Boiler front.....5
Bolsters.....5
Boxes.....5
Brake beams & shoes.....7
Brake controls.....5,26
Brake cylinders.....5,7
Brake wheels.....5
Bulbs.....6

C

Cab interior kit.....8
Chain, hooks, hangers.....8
Check valves.....9
Control valves.....5
Cooling coil ends.....18a
Counterweights.....9
Coupler lift bar brackets.....9
Coupler pockets.....9
Crank pins & screws.....7
Cutting bar.....9
Cylinder fittings.....9

D

Deck braces.....9
Decking.....24
Dirt collectors.....9
Distributing valves.....9
Domes.....9
Drain valves.....9,30
Draw bars.....9

E

Eccentric links.....30
Elbows (pipe).....18a
Electrical.....10
Electrical pick-ups.....10
End sills (end beams).....10
Equalizing brackets.....28
Eye-bolts (lift rings).....15

F

Firedoors & shields.....10a
Flangers & flanger cyl.....10a
Flex coupling.....25a
Frames, loco.....10a
Fuse boxes.....5

G

Gauges & gauge lamps.....11
Gears & worms.....11
Gear boxes & covers.....11
Generators.....11
Globe valves & handles.....11,12
Grate shakers.....11

H

Handrail stanchions.....13
Hatches.....13
Headlights & brackets.....13
Heaters.....9
Hinges.....13

I

Injectors.....14

J

Jewels.....14
Journals & retainers.....14
Junction boxes.....14

K

Kerosene lamps.....16

Lagged pipe.....18
Lagging clamps.....15
Lift rings (eye-bolts).....15
Lubricators.....15

M

Marker lamps.....15a

N

Number boards & plates.....17
Nuts & bolts.....16,17

O

Oil can.....16
Oil can shelf.....16

P

Packing glands.....19
Pick.....16
Pilots and beams.....23
Pilot decks.....23
Pipe.....18
Pipe brackets.....18
Pipe fittings.....18a,19
Piston valves.....30
Plan books.....20,21,22
Planking.....24
Pop valves.....16
Power reverse.....23
Pumps.....4a

R

Radius link.....30
Relief valves.....23
Re-rail frogs.....23
Retainer valves.....23
Reverse levers.....23
Reverse links (valve gear)....30

S

Safety tread (decking).....24
Safety valves.....30
Sanders.....26
Sander controls.....5,26

S

Sander valves.....26
Screen.....25
Seats.....26
Shovel.....16
Shut-off valves.....30
Slack adjustor.....5
Springs.....25a
Stacks.....25a
Stake pockets.....26
Steps.....26
Stove.....16
Switchstands.....16

Tank stays.....26
Tees (pipe).....18a
Throttles.....29
Tool boxes.....5
Trackside detail.....16
Trucks & sideframes.....27,28
Turnbuckles.....28
Turrets.....29
Turret valve.....29

U

Unions (pipe).....18a

V

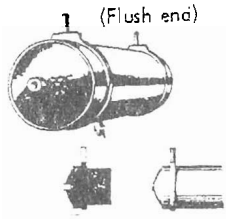
Valves (shut-off).....30
Valve gear.....30
Valve guides.....30

W

Washers.....31
Waterglasses.....32
Water valves.....30
Wheel sets.....32
Whistles.....32
Wire.....31

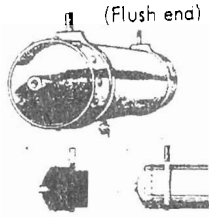
AIR RESERVOIRS AND TANKS

CONVEX WELDED (Flush end)



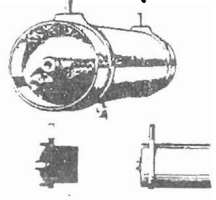
HO-31040 - brass -- 16"
HO-32077 - plastic -16"
HO-31041 - brass -- 20"
HO-32078 - plastic -20"
HO-31042 - brass -- 24"
HO-32079 - plastic -24"

CONVEX RIVETED (Flush end)



HO-31043 - brass -- 16"
HO-32080 - plastic -16"
HO-31044 - brass -- 20"
HO-32081 - plastic -20"
HO-31045 - brass -- 24"
HO-32082 - plastic -24"

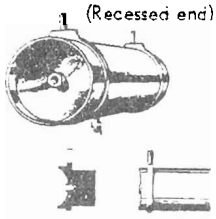
CONVEX WELDED (Recessed end)



HO-31046 - brass -- 14"
HO-32083 - plastic -14"
HO-31047 - brass -- 16"
HO-32084 - plastic -16"
HO-31048 - brass -- 20"
HO-32085 - plastic -20"
HO-31049 - brass -- 24"
HO-32086 - plastic -24"

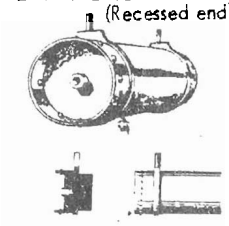
ALL KITS, WITH 2 CAST ENDS, DRAIN VALVE AND BRASS TUBING

CONCAVE WELDED (Recessed end)



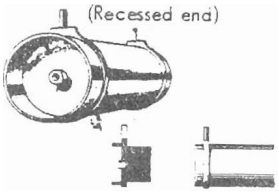
HO-31050 - brass -- 16"
HO-32087 - plastic -16"
HO-31051 - brass -- 20"
HO-32088 - plastic -20"
HO-31052 - brass -- 24"
HO-32089 - plastic -24"

FLAT RIVETED (Recessed end)



HO-31053 - brass -- 16"
HO-32090 - plastic -16"
HO-31054 - brass -- 20"
HO-32091 - plastic -20"
HO-31055 - brass -- 24"
HO-32092 - plastic -24"

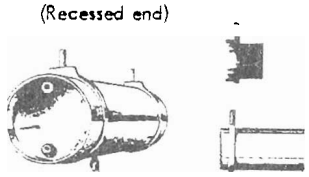
FLAT WELDED (Recessed end)



HO-31056 - brass -- 16"
HO-32093 - plastic -16"
HO-31057 - brass -- 20"
HO-32094 - plastic -20"
HO-31058 - brass -- 24"
HO-32095 - plastic -24"

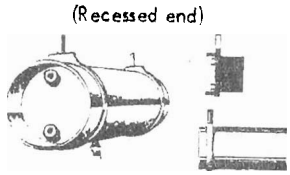
ALL WITH 2 CAST ENDS, DRAIN VALVE & BRASS TUBING, KIT

CONCAVE WELDED (Recessed end)



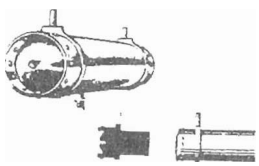
HO-31059 - brass -- 24"
HO-32096 - plastic -24"
(2 pipe connections on one end only) 2 cast ends, drain valve & brass tubing, kit

FLAT WELDED (Recessed end)



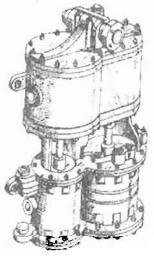
HO-31060 - brass -- 24"
HO-32097 - plastic -24"
(2 pipe connections on one end only) 2 cast ends, drain valve & brass tubing, kit

CONVEX RIVETED (Recessed end)

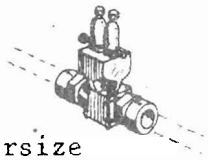


HO-31061 - brass -- 14"
HO-32098 - plastic -14"
2 cast ends, drain valve, & brass tubing, kit

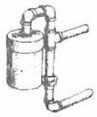
4 DIFFERENT DIAMETERS - A VARIETY OF STYLES TO SUIT ALL NEEDS - IN KIT FORM
(Highly detailed cast ends & drain valve, plus extra long brass tubing which you cut to any length required for a specific tank.)



PSN3-1992
Westinghouse cross compound air pump



Oversize
PSN3-1968
Westinghouse AD air pump governor



PSN3-19030
Large air strainer w/plumbing for Westinghouse cross-compound air pump

PSN3-1962
Westinghouse air pump strainer w/plumbing, D&RGW K-36/37

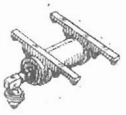
PSN3-19100
NG air hose
pkg. 6

PSN3-19101
Plastic,
pkg. 6

HO-31015
Armored air hose

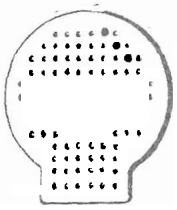
GH-4689
Armored air hose
.065" x 7"

PSN3-19042
Cab arm rest, pr.

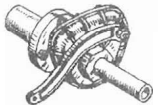


PSN3-19085
C-19 tender equalizing air reservoir with triple valve

PSN3-19028
Air reservoir w/valves



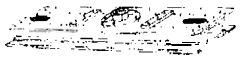
PSN3-1901
Backhead,
D&RGW C-16



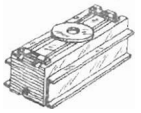
OVERSIZE

PSN3-1947
Late Okadee type
blow-off cocks,
pr.

PSN3-1907
Blow-off valves,
D&RGW K-series,
pr.

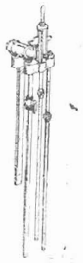


PSN3-1999
"Steel" bolsters
D&RGW 6500 series
flat car, pr.



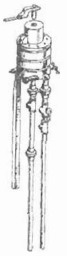
PSN3-19081
D&RGW C-class
tender truck bolster
pr.

PSN3-1908
E-6 automatic
air brake
control valve



PSN3-1945
Westinghouse
3-way sander
or straight
air control

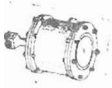
PSN3-1996
Westinghouse H-6
train air
brake control



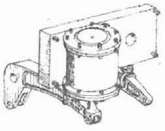
PSN3-1997
Westinghouse S-6
engine air
brake control

PSN3-1982
Bell,
D&RGW

PS-19170
Working bell,
(turning)
top mount (use
w/1982 yoke)

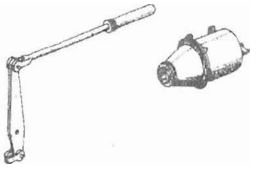


PSN3-1980
Loco brake
cylinders,
pr.

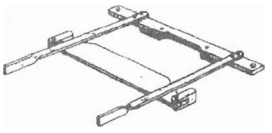


PSN3-1981
Mounting bracket
& levers for 1980,
3 pcs.

PSN3-1998
Tender
brake
cylinder



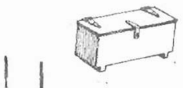
PSN3-19033
Brake cylinder
& lever, R&L,
D&RGW loco,
pr.



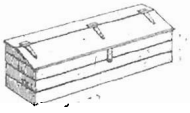
PSN3-19037
Brake system
slack adjustor,
D&RGW K-27

PSN3-19103
Brake wheel bracket
used on Gramps/Conco
ea.

PSN3-19098
5-spoke brake wheel
D&RGW, brass
pkg. 2
PSN3-19099
plastic
pkg. 2

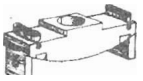


19025
D&RGW pilot
mount tool box



19086
RGS tender
tool box

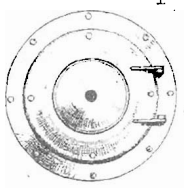
PSN3-19039
Fuse box



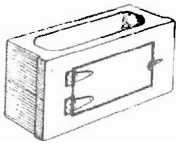
PSN3-19049
Truck bolsters,
K-27 tender,
pr.

PSN3-1922
Truck bolsters,
pr.

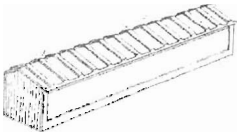
19141
BLW backhead
for wagon top
boiler



19140
BLW 42"
boiler front



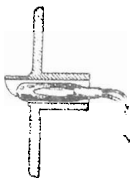
19127
D&RGW/RGS pass.
car/outfit car
tool box



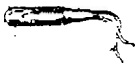
19128
D&RGW/RGS C-16
long tool box

19131
D&RGW C-16 #271
roof mounted
tool box

BULBS



GRAIN OF WHEAT

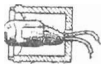


.115 dia.

A-400 Clear 12 volt pkg. 4

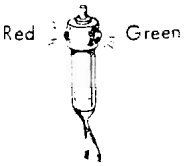
A-402 Green " pkg. 4
A-403 Amber " pkg. 4

Designed for use in trackside signals of all types.



A-405
Clear
.115 dia.
12 volt
pkg. 2

Bulb has diffuser lens. perfect for diesel headlight! Mount, as shown, in plaster.

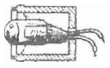


K-48307
12 volt bulb in a special metal case for caboose, etc., pkg. 1

MICRO-MINIATURE

A-410
Clear,
.048 dia.
1.5 volt
pkg. 8

Very small, for marker lights & cab interior.



A-401
Red .115 dia.
12-volt
pkg.4

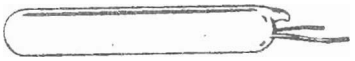
A-409
1.5-volt
large,
pkg. 8

Dual filament,
pr.

Screw base,
pr.

Grain of wheat,
pr.

Brass base,
pr.



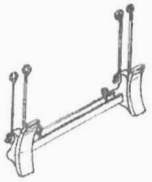
Tubular, pr.

Tubular clip-in,
ea.

K-48294	Grain of wheat,	clear ...	18 V
K-48295	"	amber ...	18 V
K-48296	"	red	8 V
K-48297	"	red	2.5 V
K-48298	"	green ...	6 V
K-48313	"	clear ..	4.5 V
K-48314	"	red	4.5 V
K-48299			
K-48300	" "	amber .	12 V
K-48301	" "	green .	12 V
K-48302	" "	red ...	6 V

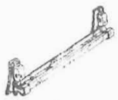
K-48303	Brass base,	clear	12 V
K-48304	"	amber	12 V
K-48305	"	green	12 V
K-48306	"	red	12 V
K-48308	Tubular clip-in,	amber ..	12 V
K-48309	"	green ..	12 V
K-48310	"	blue ...	12 V
K-48311	"	red	12 V
K-48312	Large tubular,	white	12 V
K-48315	Dual filament,	clear ...	1.5 V
K-48316	"	clear ...	2.5 V
K-48317	"	clear ...	3.0 V

B

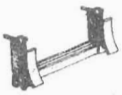


PSN3-1916
Brake beams w/shoes, D&RGW tender, pkg. 4

PSN3-1917
Brake shoes, D&RGW C-16, pkg. 6

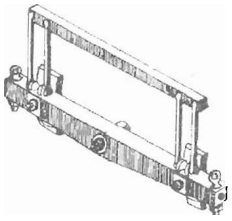


PSN3-1928
Brake beams w/shoes, D&RGW freight car, pkg. 4



PSN3-19048
Inside hung brake beam w/shoes, K-27 tender, pkg. 4

PSN3-19073
D&RGW C-class engine brake cylinder pr.



19146
Wood brake beams 36" gauge 4 pcs.

19167
Wood brake beam for disconnected trucks & others pkg. 4

C

CRANK PIN SCREWS

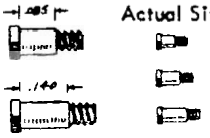
Enlarged

A-333
.260" long, pr.

A-334
.230" long, pr.

A-335
.090" long, pkg. 8

A-336
.070" long, pkg. 8



pkg. 8

PSP-078
Delrin crank pin caps, pkg. 4

CHAIN & CHAIN HANGERS

PSH-4058
Loco/freight chain & hooks pkg.4

PSH-4069
Inside chain hangers, tender, pkg. 4

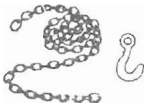
PSDR-1282
Inside chain hangers, tender trucks, pkg. 4

PSDR-1278
Outside hung rerail frog hooks, tender, pkg. 4

GH-48287
Long link safety chain .015" dia.

Oversize
PSDR-1191
9" chain hooks, D&RGW tender & passenger cars, pkg. 4

K-48206
4" chain w/3 small hooks



K-48207
4" chain w/3 large hooks

10" Brass Chain

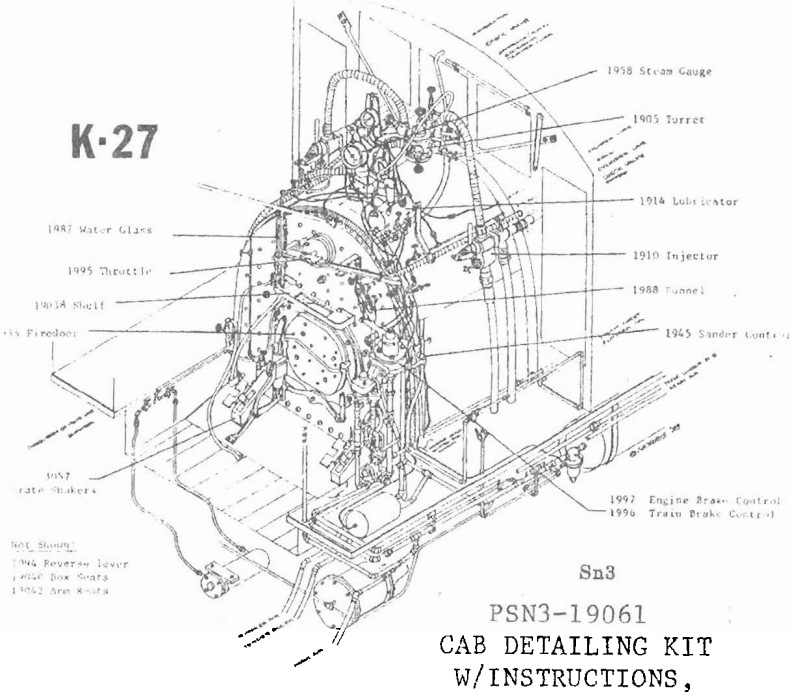
GH-48194 - 10 links per inch
GH-48287 - 16 links per inch
GH-48348 - 18 links per inch
GH-48349 - 20 links per inch
GH-48429 - 24 links per inch
GH-48237 - 26 links per inch
GH-48472 - 32 links per inch

K-40173
Chain hangers, pkg. 4

K-48209
Sm. hooks, pkg. 4

K-48208
Lg. hooks, pkg. 4

NOTE: ALL CHAIN IS RR TYPE LONG LINKS

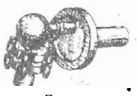


Sn3
PSN3-19061
CAB DETAILING KIT W/INSTRUCTIONS, D&RGW K-27 #465

Oversize
PSN3-1950
Cylinder port covers, D&RGW, pkg. 4

C

PSN3-1979
Boiler check valves w/elbow, D&RGW K-36/37, pr.



Oversize
PSN3-19064
Boiler check valves, D&RGW C-class, pr.

PSN3-1985
3-way coupler pocket, D&RGW

PSN3-19046
Coupler pocket, K-27 tender

PSN3-1925
Coupler lift bar brackets, D&RGW, pkg. 4

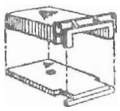
PSN3-19012
Counterweights, D&RGW K-28, 2 large/6 small, pkg. 8

PSN3-1938
Counterweights, D&RGW K-36/37, 2 large/6 small, pkg. 8

PSN3-19021
Cylinder ends, D&RGW K-series, pr.

19165
3-level coupler pocket Shays & others pr.

PSN3-19083
Top mount check, K-28/K-36



PSN3-19087
D&RGW coupler pocket, fits Kadee

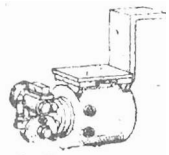
PSN3-1986
Cab heater control w/ piping

PSN3-19114
"Cutting bar" caboose & freight pkg. 2

D

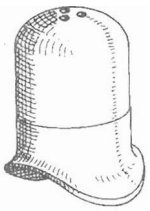
PSN3-1934
Deck braces, D&RGW, pr.

PSN3-1993
Westinghouse centrifugal dirt collector

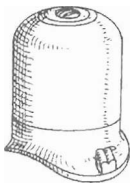


PSN3-19004
Westinghouse #6 distributing valve

PSN3-19090
Centrifugal dirt collector w/plumbing for K-27



19153
Lima Shay 36-42T steam dome

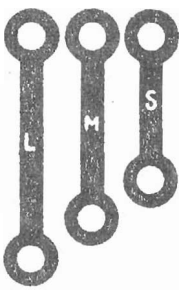


19154
Lima Shay 36-42T sand dome

PSN3-19104
Tank car drain ea.

DRAW BARS

GH-48380
pkg. 3

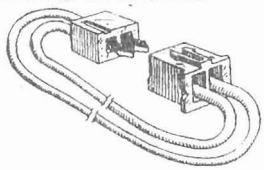


K-48271
Delrin draw bars
3 pcs.

K-48186 large
K-48187 medium
K-48188 small
K-48189 tiny

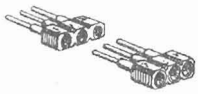
Delrin draw bars, pkg. 3

ELECTRICAL

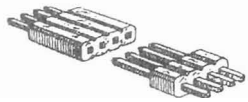


A-489
Micro-duplex
electrical connector
w/wires, 2 sets

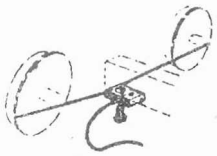
A-490
Micro miniature
electrical connector
2-prong, 2 sets



A-491
Micro miniature
electrical connector
3-prong, 2 sets

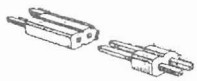


A-492
Micro miniature
electrical connector
4-prong, 1 set



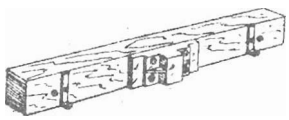
GH-4898
Electrical
pick-up

PSSH-8059
Electrical
pick-up &
wiper



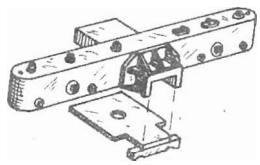
PSH-4019
Micro-duplex
elec. connector
2 pcs.

END BEAMS

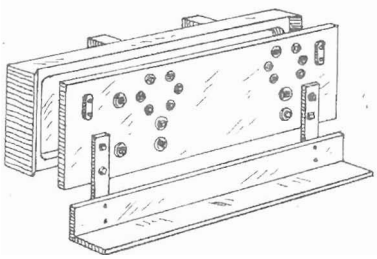


PSN3-19056
Front end beam,
K-27 tender

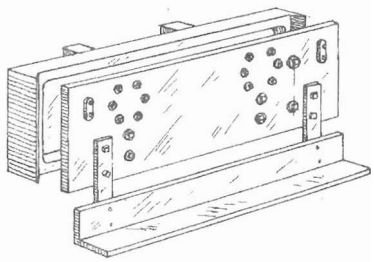
PSN3-19095
Bolt detail for
end beams, freight
& caboose
pkg. 8



PSN3-19109
D&RGW long caboose
frame end beam
pr.



19152
Lima Shay 36-42T
rear end beam



19151
Lima Shay 36-42T
front end beam

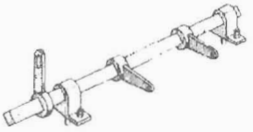
F

PSN3-1902
Firedoor,
D&RGW C-16

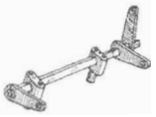
PSN3-1918
Butterfly type
fire door
w/foot peddle

PSN3-1935
Clam shell
firedoor
w/step

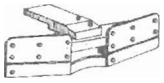
PSN3-19002
Flanger cyl.
w/actuator lever,
D&RGW K-series



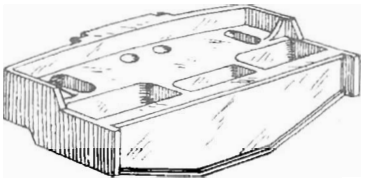
PSN3-19055
Flanger
lift bar,
D&RGW K-27



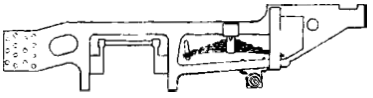
PSN3-19076
RGS #40
flanger lift
ea.



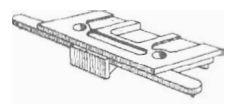
PSN3-19043
Lead truck
flanger,
D&RGW K-27/28



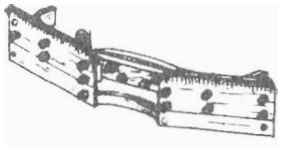
PSN3-1959
Rear frame spacer
w/buffer,
D&RGW K-36/37



PSN3-19034
Rear frame
extensions,
D&RGW K-27,
R&L, pr.



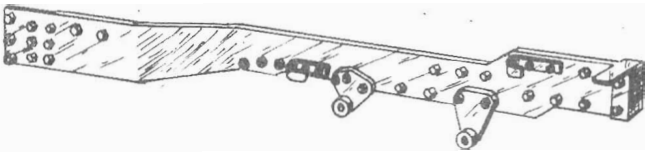
PSN3-19031
Rear frame spacer
w/end beam,
D&RGW K-27



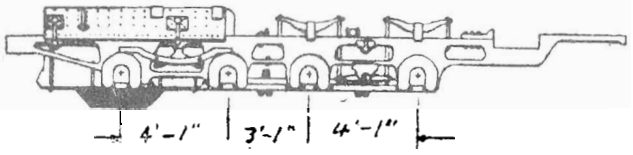
PSN3-1969
Lead truck
flanger,
D&RGW C-class

PSN3-19075
D&RGW C-class
flanger blade

19130
D&RGW C-16 #268
flanger cylinder

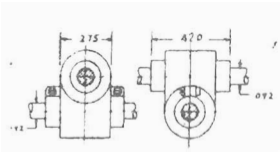


PSN3-1960
Rear frame extensions
w/ashpan fulcrum, D&RGW K-37
R&L, pr.

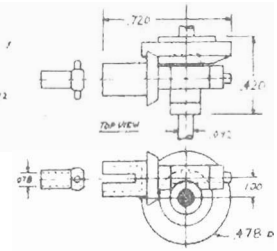


PSN3-19093
Main frames
D&RGW C-16,R&L,brass
pr.
PSN3-19094
plastic
pr.

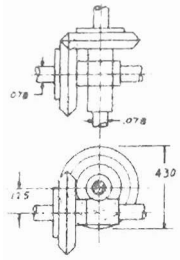
GEAR BOXES



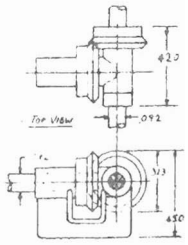
PSH-4018-2
1:1 ratio,
helical gears
w/housing



PSH-4018-3
2:1 ratio,
skewed bevel
gears



PSH-4018-4
1:1 ratio,
skewed bevel
gears

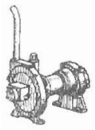


PSH-4018-5
1:1 ratio,
in-line bevel
gears

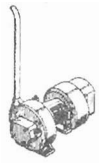
PSH-4009
Helical gears,
1:1 ratio, pr.

PSN3-1948
Triple gauge,
D&RGW K-series
loco

PSN3-1958
Dual steam gauge,
D&RGW K-series



PSN3-1936
Pyle National
ES type
turbo-generator



PSN3-1967
Pyle National K-2
generator

PSN3-19032
Grate shaker,
D&RGW K-27

GLOBE VALVES

GLOBE VALVES ARE USED ON A VARIETY OF EQUIPMENT, ESPECIALLY FOR PLUMBING, STEAM & WATER LINES, AND ALSO USED AS DRAINS & FAUCETS.

	CORE DIA.	PIPE SIZE
GH-4840	.012	3/4"
GH-4840-1	.016	1"
GH-4840-2	.020	1-1/4"
GH-4840-3	.024	1-3/4"
GH-4840-4	.028	2"
GH-4840-5	.032	2-1/2"
GH-4840-6	.035	2-3/4"
GH-4840-7	.040	3"
GH-4840-8	.045	3-1/2"

All cored, pkg. 3

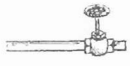
GH-4861
1-1/8" tee,
less core,
pkg. 6

GH-4862
4-1/2" tee,
less core,
pkg. 2

PSH-4841
3/4" "e1" w/
1¼" handle,
no core,
pkg. 4

PSH-4855
Tee on 1-3/4"
pipe, no core,
pkg. 3

PSH-4835
For 2½" pipe,
no core, pkg. 3



HO-3589
Steam dome
globe valve
on .012" pipe

GH-4834
"E1" on
3" pipe,
no core,
pkg.3

HO-3035
.012" core
for 3/4"
pipe, pkg. 4

K-48178
pkg. 3

K-48177
pkg. 3

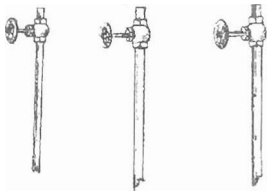
K-48176
pkg. 3

K-48193
Small,
pkg. 3

K-48197
Cored,
pkg. 3

HO-3036
"E1" on 1-1/4"
pipe, pkg. 4

K-48210
Small,
pkg. 3



GH-4832
2 on 2-5/8" pipe,
1 on 2" pipe, not
cored, pkg. 3

GLOBE VALVES (contd.)

"T" VALVE HANDLES, ALL PKGS. 3

GH-48366	.067" dia.,	6"
GH-48367	.092" dia.,	8"
GH-48368	.100" dia.,	9"
GH-48369	.067" dia.,	6" "X"
GH-48370	.090" dia.,	8" "X"
GH-48371	.100" dia.,	9" "X"

GH-4831
Valve handles
1 each el, tee
& crank, pkg. 3

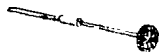
GH-4884
Long stem,
7-5/8" dia.,
pkg. 3

3277
Long stem,
5-1/2" dia.,
pr.

3278
Short stem,
3-15/16" dia
pr.

WIRE WOUND HANDLES, ALL PKGS.3

GH-48397	Six-spoke, .093" dia.,	8"
GH-48398	Three-spoke, .106" dia.,	9"
GH-48399	Four-spoke, .180" dia.,	1'4"
GH-48400	Four-spoke, .132" dia.,	1'
GH-48409	Four-spoke, .135" dia., plain handle	1'1"
GH-48410	Four-spoke, .065" dia., plain handle	6"



GH-48397

GH-48398

ROUND VALVE HANDLES, ALL PKGS. 3

GH-48358	Three-spoke, .075" dia.,	6"
GH-48359	Three-spoke, .103" dia.,	9"
GH-48360	Three-spoke, .106" dia.,	9¼"
GH-48361	Four-spoke, .070" dia.,	6"
GH-48362	Four-spoke, .075" dia.,	6¼"
GH-48363	Four-spoke, .100" dia.,	9"
GH-48364	Six-spoke, .093" dia.,	8"
GH-48365	Three-spoke, .053" dia.,	5"

GH-48399

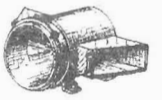
GH-48409

PSN3-1924
Early arc type headlight, D&RGW

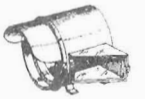
PSN3-1941
Arc type headlight, #1

PSN3-1942
Arc type headlight, #2

PSN3-1943
Arc type headlight, #3

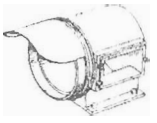


PSN3-1956
Pyle National type headlight less visor



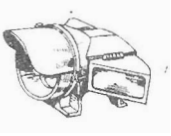
PSN3-1957
Pyle National type headlight with visor

PSN3-19054
Early arc type headlight

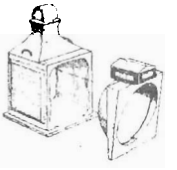


PSN3-19013
Pyle National 18" incandescent headlight w/visor

PSN3-19006
Pyle National small back-up light, D&RGW



19161
14" Pyle Nat'l headlight w/viser & winged # board



19126
D&RGW early box headlight w/slant front

PSN3-1949
Headlight bracket, D&RGW K-series

PSN3-19026
Headlight bracket, D&RGW K-27

PSN3-19066
Headlight bracket, D&RGW C-class

PSN3-19005
Back-up light bracket, D&RGW K-36/37 tender

19160
16" Lima style headlight

19138
Headlight bracket fancy Baldwin

19129
D&RGW C-16 #268 headlight bracket

PSN3-19107
Tank car hatch used on Texaco cars
pkg. 2

19162
24" oil filler hatch

PSN3-19044
Working 17" water hatch, D&RGW K-27

PSN3-1990
Water hatch, D&RGW K-37

PSN3-19088
Tender water hatch
13" D&RGW C-19,2pcs.

HINGES

A-320
Working, pkg. 12

A-319
Small, working, pkg. 12

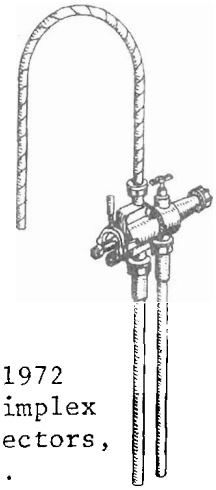
GH-4899
Non-working, etching, pkg. 36

MACHINED HANDRAIL STANCHIONS

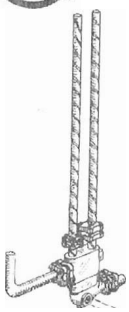
	HEIGHT	PKG.
A-370	1.5mm	12
A-371	2.0mm	12
A-372	2.5mm	12
A-373	3.0mm	12
A-374	3.5mm	12
A-375	4.0mm	12

I

PSN3-1910
Edna type injectors, pr.



PSN3-1972
Nathan Simplex type injectors, pr.



PSN3-19096
Injector & funnel, Handcock non-lifting, D&RGW K-28/36
ea.

J

PSN3-1989
Truck journals, pkg. 4

PSN3-19035
Trailing truck journals, D&RGW K-27, pr.

PSN3-19036
Trailing truck journal housing, D&RGW K-27, pr.

PSN3-19003
Junction boxes, (2 sizes of each) tee, connector & end type, pkg. 12

19166
Journal & pedestal for disconnected trucks, pkg. 8

3317
Right angle conduit junction boxes, .012" core, pkg. 6

31751
Plastic, pkg. 18

3318
"Tee" type conduit junction boxes, .012" core, pkg. 6

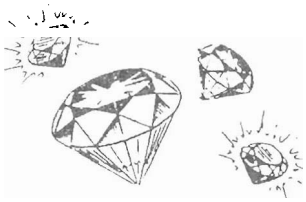
31752
Plastic, pkg. 18

3319
"Tee" type conduit junction boxes, .012" core, pkg. 6

31747
Plastic, pkg. 18

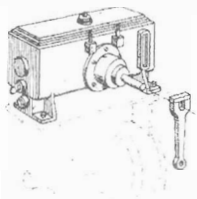
3320
Terminal type conduit junction boxes, .012" core, pkg. 6

31748
Plastic, pkg. 18

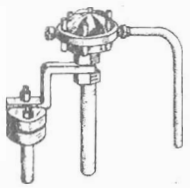


JEWELS-LENSES

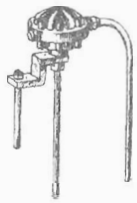
NO.	MM	THOUS.	COLOR	QUANTITY	SCALE
48289	1.3	.053	Red	Pkg. 12	HO-S
48290	1.3	.053	Green	Pkg. 12	HO-S
48291	1.3	.053	Clear	Pkg. 12	HO-S
48292	1.3	.053	Amber	Pkg. 12	HO-S
48293	1.9	.081	Blue	Pkg. 12	HO-S
48372	1.9	.078	Green	Pkg. 12	HO-S
48373	3.40	.136	Clear	Pkg. 12	HO-S-O
48374	3.80	.155	Clear	Pkg. 12	HO-S-O
48375	1.9	.181	Clear	Pkg. 12	HO-S
48376	1.90	.081	Red	Pkg. 12	HO-S
48377	1.70	.079	Clear	Pkg. 12	HO-S
48378	3.0	.118	Amber	Pkg. 12	HO-S
48331	1.0	.042	Clear	Pkg. 12	HO
48327	2.5	.112	Red	Pkg. 12	S-O
48328	2.5	.112	Green	Pkg. 12	S-O
48329	2.5	.112	Clear	Pkg. 12	S-O
48330	2.5	.112	Amber	Pkg. 12	S-O
48489	1.7mm	.060	Green	Pkg. 12	HO-S
48490	1.7mm	.060	Red	Pkg. 12	HO-S
48491	1.7mm	.060	Clear	Pkg. 12	HO-S



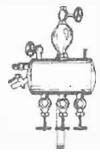
Oversize
PSN3-1991
Detroit DV-4
mechanical
lubricator



Oversize
PSN3-1953
Detroit cyl.
lubricators,
w/port covers,
pkg. 4



Oversize
PSN3-1978
Detroit cyl.
lubricators
less port
covers, pkg. 4



PSN3-1914
Nathan Bullseye
triple-feed
lubricator

PSN3-19024
Box type
gravity feed
cyl. lubricator,
D&RGW K-27

PSN3-1919
Lagging
clamps,
pkg. 6

4856 4857 48276 48277 48278 48279 40279

LIFT RINGS/EYE-BOLTS

HO-3339
Lift ring
brackets,
beam mount,
Pkg. 6

LIFT-RINGS AND EYE-BOLTS ARE USED FOR THE FOLLOWING PURPOSES:

1. Container loads, installed by RR for removing from car.
2. Installed on many cars for tying chains to trucks.
3. Installed on gons & hoppers for holding doors.
4. Used to hang chain hooks.
5. Used as bracket for holding air lines, plumbing and cable.
6. Used for making working hinges.
7. End beam detail for cut levers.
8. Box car staff guide.
9. Used for fabricating clasp on access tool boxes and battery boxes.

LIFT RINGS/EYE BOLTS/PIPE BRACKETS

K-48276	.....	.018" dia.	pkg. 12
K-48276-1	Plastic	.018" dia.	pkg. 12
K-48277	.....	.020" dia.	pkg. 12
K-48277-1	Plastic	.020" dia.	pkg. 12
K-48278	.....	.030" dia.	pkg. 12
K-48278-1	Plastic	.030" dia.	pkg. 12
K-48279	.....	.040" dia.	pkg. 12
K-48279-1	Plastic	.040" dia.	pkg. 12
K-40279	.....	.050" dia.	pkg. 6
GH-4856	.....	.080" dia.	pkg. 6
GH-4856-1	Plastic	.080" dia.	pkg. 12
GH-4857	.....	.062" dia.	pkg. 6
GH-4857-1	Plastic	.062" dia.	pkg. 12

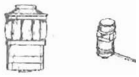
SMALL LIFT RINGS/EYE BOLTS

GH-4858	.....	.040" dia.	pkg. 6
GH-4858-11	Plastic	.040" dia.	pkg. 12
GH-4858-2	.....	.036" dia.	pkg. 6
GH-4858-22	Plastic	.036" dia.	pkg. 12
GH-4858-3	.....	.032" dia.	pkg. 6
GH-4858-33	Plastic	.032" dia.	pkg. 12
GH-4858-4	.....	.024" dia.	pkg. 6
GH-4858-44	Plastic	.024" dia.	pkg. 12
GH-4858-5	.....	.020" dia.	pkg. 6
GH-4858-55	Plastic	.020" dia.	pkg. 12
GH-4858-6	.....	.016" dia.	pkg. 6
GH-4858-66	Plastic	.016" dia.	pkg. 12
GH-4858-7	.....	.012" dia.	pkg. 6
GH-4858-77	Plastic	.012" dia.	pkg. 12
GH-4858-8	.....	.008" dia.	pkg. 6
GH-4858-88	Plastic	.008" dia.	pkg. 12

MARKER LAMPS

19157
"Dressel" loco
marker lamps
pr.

19133
C&S locomotive
& tender marker
lamps, hollow, R&L
pr.



1911
Hollow marker
lamps w/base,
D&RGW/RGS, pr.

PSN3-19067
Handlan type
marker lamps
& bases, D&RGW,
pr.

19158
Caboose/tender
marker lamps,
3-lense, R&L
pr.

19159
4-lense
marker lamps
pr.

MISCELLANEOUS

PSN3-19015
Axe,
pkg. 2

PSN3-19016
Shovel,
pkg. 2

PSN3-19017
Coal shovel,
pkg. 2

PSN3-19018
Pick,
pkg. 2

PSN3-19019
Double bitted
pick,
pkg. 2

19135
"South Park" style
harp switchstand
working

PSN3-19060
Pot belly
caboose
stove W/ Pipe

PSN3-19051
Frying pans,
pkg. 2

PSN3-19052
Coffee pots,
pkg. 2

PSN3-19053
Kerosene
lamps,
pkg. 2

Oversize
PSN3-19070
Unmuffled
pop valves,
pr.

19125
D&RGW/RGS working
harp switchstand

PSN3-19038
Backhead oil
can shelf

PSN3-19001
Oil can w/
long spout,
pkg. 2

Oversize
PSN3-19106
Poling pockets
for tank cars
pkg. 4

PTS-5865
Keg
("wooden
barrel")

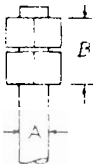
PSN3-19050
Caboose stove
w/pipe

GH-48288
Soldering
lug,
pkg. 12

N

DOUBLE HEX NUT & BOLT - O SCALE

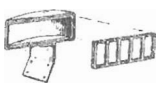
PART NO.	BOLT DIA. "A"		BOLT HEAD DIMENSIONS "B"		"C"		QUANTITY	
GH-4820	.017	1-1/2"	.030	1-1/2"	.039	1-15/16"	pkg.	10
GH-4836	.017	1-1/2"	.015	3/4"	.032	1-1/2"	pkg.	38
GH-4837	.020	1"	.020	1"	.040	3"	pkg.	38
GH-4838	.025	1-1/4"	.022	1"	.037	1-7/8"	pkg.	38



K-48332
Nut on bolt,
pkg. 12

PSN3-19062
Rectangular
number plate,
D&RGW

PSN3-19063
Round
number plate,
D&RGW



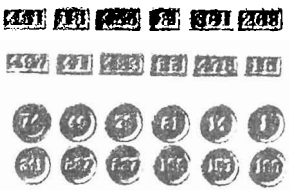
PSN3-1909
Train indicator
boards w/lens,
R&L, pr.

NUMBER BOARDS & PLATES

BRASS	PLASTIC	NUMERALS	PKG.
K-31347	K-31695	1 to 5	5
K-31348	K-31696	6 to 10 plus blank	6
K-31349	K-31697	11 to 15	5
K-31350	K-31698	16 to 20 plus blank	6
K-31351	K-31699	21 to 25	5
K-31352	K-31700	26 to 30 plus blank	6
K-31353	K-31701	31 to 35	5
K-31354	K-31702	36 to 40 plus blank	6

PHOTO ACTUAL SIZE

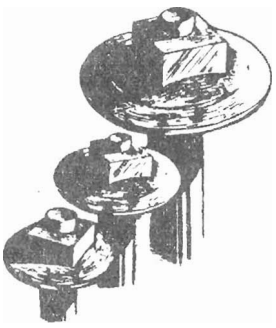
BRASS	PLASTIC	NUMERALS	PKG.
K-31355	K-31715	497, 41, 483, 22, 478, 15	6
K-31356	K-31716	461, 13, 455, 3, 361, 268	6
K-31357	K-31717	74, 40, 36, 21, 14, 1	6
K-31358	K-31718	341, 267, 107, 168, 153, 100	6



NUT-BOLT-WASHER

HEX or SQUARE

	PART NO.		NUT DIA.		QUANTITY
	K-48216	square	.040"	.....	18 pkg.
	K-48217	square	.040"	plastic	48 pkg.
	K-48218	square	.030"	.....	18 pkg.
	K-48219	square	.030"	plastic	48 pkg.
	K-48220	square	.025"	.....	18 pkg.
	K-48221	square	.025"	plastic	48 pkg.
	K-48222	hex	.040"	.....	18 pkg.
	K-48223	hex	.040"	plastic	48 pkg.
	K-48224	hex	.030"	.....	18 pkg.
	K-48225	hex	.030"	plastic	48 pkg.
	K-48226	hex	.025"	.....	18 pkg.
	K-48227	hex	.025"	plastic	48 pkg.
	K-48228	square	.045"	.....	12 pkg.
	K-48229	square	.045"	plastic	36 pkg.
	K-48230	sq. .035" / hex .040"		B	12 ass't
	K-48231	sq. .035" / hex .040"		P	48 ass't
	K-48232	sq. .030" / hex .030"		B	12 ass't
	K-48233	sq. .030" / hex .030"		P	48 ass't



Use brass NBW detail on models requiring soldering or extreme durability. The more economical plastic type is suitable for use with all materials; ideal on styrene models!

K-48346
4 sizes,
2 dz. ass't

PIPE

MACHINED LAGGED PIPE

PART NO.	OUTSIDE DIAMETER LAGGING	LENGTH	NOMINAL PIPE SIZE WITHOUT LAGGING S SCALE	O SCALE	QUANTITY
GH-4842	.019"	6-1/2"	1/2"	1/4"	pkg. 3
GH-4843	.028"	6-1/2"	1"	3/4"	pkg. 3
GH-4844	.052"	6-1/2"	2-1/4"	1-1/2"	pkg. 3
GH-48124	.025"	6-1/2"			pkg. 3

CAST LAGGED PIPE

PART NO.	OUTSIDE DIAMETER LAGGING	LENGTH	NOMINAL PIPE SIZE WITHOUT LAGGING S SCALE	O SCALE	QUANTITY
GH-4845	.025"	1-1/4"	7/8"	5/8"	pkg. 3
GH-4846	.032"	1-3/4"	1-3/16"	7/8"	pkg. 3
GH-4847	.035"	2"	1-3/8"	1"	pkg. 3
GH-4848	.045"	2-11/16"	1-7/8"	1-5/16"	pkg. 3
GH-4850	.055"	3"	2-1/4"	1-5/8"	pkg. 3

CAST LAGGED PIPE

GH-4114
1" lagged pipe, pkg. 3

GH-4115
2½" lagged pipe, pkg. 3

GH-4055
2" lagged pipe, 2½" long, pkg. 3

GH-48124
Machined, lagged pipe, .025"x 6½" pkg. 3

PIPE BRACKETS

CORED PIPE BRACKETS

PART NO.	CORE SIZE	S SCALE	O SCALE		QUANTITY
GH-4890	.040	2"	1-1/2"	.....	pkg. 6
GH-4890-1	.040	2"	1-1/2"	plastic	pkg. 12
GH-4891	.036	2"	1-3/4"	.....	pkg. 6
GH-4891-1	.036	2"	1-3/4"	plastic	pkg. 12
GH-4892	.032	1-3/4"	1-1/2"	.....	pkg. 6
GH-4892-1	.032	1-3/4"	1-1/2"	plastic	pkg. 12
GH-4893	.024	1-1/4"	1-1/8"	.....	pkg. 6
GH-4893-1	.024	1-1/4"	1-1/8"	plastic	pkg. 12
GH-4894	.020	1"	3/4"	.....	pkg. 6
GH-4894-1	.020	1"	3/4"	plastic	pkg. 12
GH-4895	.016	3/4"	1/2"	.....	pkg. 6
GH-4895-1	.016	3/4"	1/2"	plastic	pkg. 12
GH-4896	.012	1/2"	1/4"	.....	pkg. 6
GH-4896-1	.012	1/2"	1/4"	plastic	pkg. 12
GH-4897	.008	1/4"	1/4"	.....	pkg. 6
GH-4897-1	.008	1/4"	1/4"	plastic	pkg. 12

GH-4859
.012" core, pkg. 6

GH-4860
.028" core, pkg. 6

GH-4860-1
Plastic pkg.12

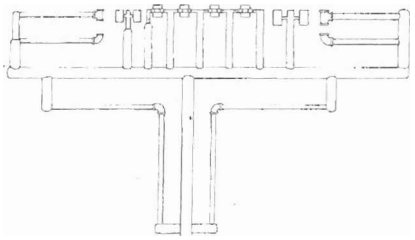
K-48268
pkg. 14

Oversize

GH-48125
Single pipe bracket, .045" core, pkg. 4

GH-4879
Pipe clamp & bracket, .020" core, pkg. 6

PIPE FITTINGS



GH-4839
Pipe unions & elbows, .030" core, 14 pcs.
GH-48427
Plastic
14 pcs.

GH-4889
Pipe & elbow w/union, for .045" wire, pkg. 2

ELBOWS

All pkgs. 8

	CORE	HO SCALE	S SCALE	O SCALE
GH-48390	.048	2-3/4"	2"	1-1/2"
GH-48391	.035	2-1/2"	1-3/4"	1-1/4"
GH-48392	.030	2-1/4"	1-1/2"	1-1/2"
GH-48393	.025	2"	1-1/8"	1"
GH-48394	.022	1-1/2"	1"	7/8"
GH-48395	.020	1"	3/4"	1/2"
GH-48396	.018	3/4"	1/2"	3/8"
GH-48456	.016	1/2"	1/4"	3/8"
GH-48457	.012	1/4"	1/4"	3/8"

GH-48126
Pipe tee, .030" core, pkg. 4

K-48195
"Els", pkg. 12

K-48196
"Tees", pkg. 12

GH-48104
Cooling coil ends, .028" core, pkg. 6

GH-48105
Cooling coil ends, .020" core, pkg. 6

PSN3-1974
Cooling coil ends for .020" wire, pkg. 6

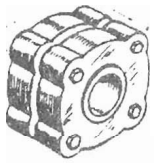
CORED CAST UNIONS - PKG. 12

HO-48242	.040" core	brass	K-48180	.050" core	brass
HO-48434	.040" core	plastic	K-48437	.050" core	plastic
HO-48241	.030" core	brass	K-48181	.040" core	brass
HO-48433	.030" core	plastic	K-48438	.040" core	plastic
HO-48240	.025" core	brass	K-48182	.028" core	brass
HO-48432	.025" core	plastic	K-48439	.028" core	plastic
HO-48239	.020" core	brass	HO-48440	.093" core	brass
HO-48431	.020" core	plastic	HO-48441	.093" core	plastic
HO-48238	.014" core	brass	HO-48435	.012" core	brass
HO-48430	.014" core	plastic	HO-48436	.012" core	plastic

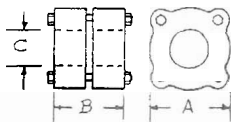
ROUND, DOUBLE-FLANGE, BOLTED STEAM PACKING GLANDS

PART NO.	CORE DIA.	SIZE	QUANTITY
GH-48100	.028"	.7mm	pkg. 6
GH-48101	.040"	1.0mm	pkg. 6
GH-48102	.060"	1.5mm	pkg. 6

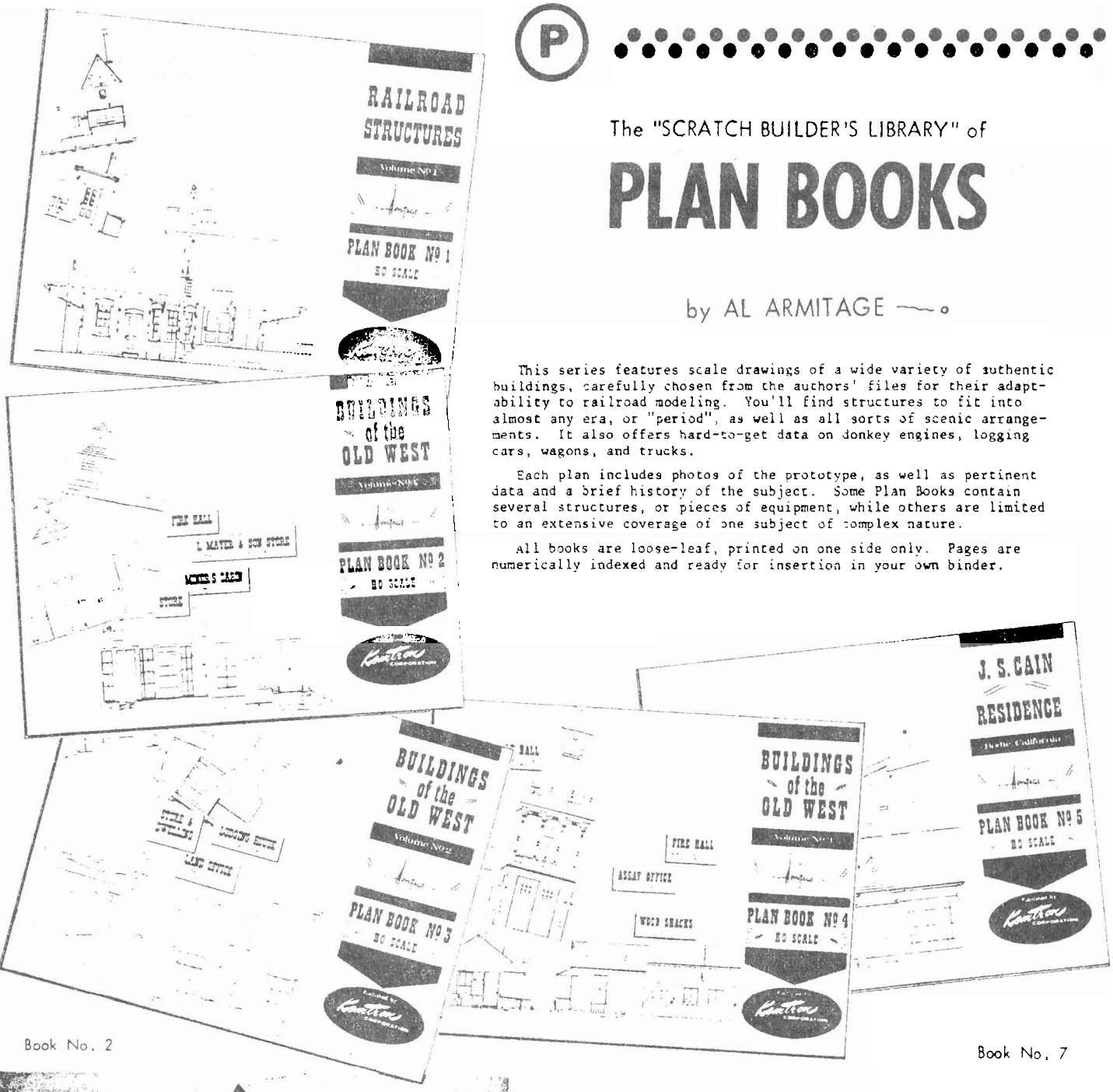
PART NO.		FLANGE DIMENSIONS "A"	"B"	CORE DIA. "C"	USE WITH PIPE SIZE S SCALE	O SCALE	QUANTITY
GH-48340	Round	.100	.045	.030	6-1/2"	4-7/8"	pkg. 6
GH-48339	Square	.090	.035	.030	5-3/4"	4-5/16"	pkg. 6
GH-48338	Square	.075	.035	.030	4-3/4"	3-5/8"	pkg. 6



SQUARE, DOUBLE-FLANGE PIPE JOINTS



PART NO.	FLANGE DIMENSIONS "A"	"B"	CORE DIA. "C"	USE WITH PIPE SIZE S SCALE	O SCALE	QUANTITY	
GH-4827	.123	.083	.055	3"	2"		
	.097	.068	.040	2"	1-1/2"	pkg. 10	
	.070	.048	.030	1-1/2"	1"	(2 ea.)	
	.060	.037	.020	1"	1/2"		
	.044	.027	.018	3/4"	1/2"		
GH-4827-1	Same as above, plastic					pkg. 20	4 of each
GH-4828	.117	.075	.050	2-3/4"	2"	pkg. 2	
GH-4828-1	.138	.080	.060	3"	2-1/2"	pkg. 2	



Book No. 2

Book No. 7

The "SCRATCH BUILDER'S LIBRARY" of

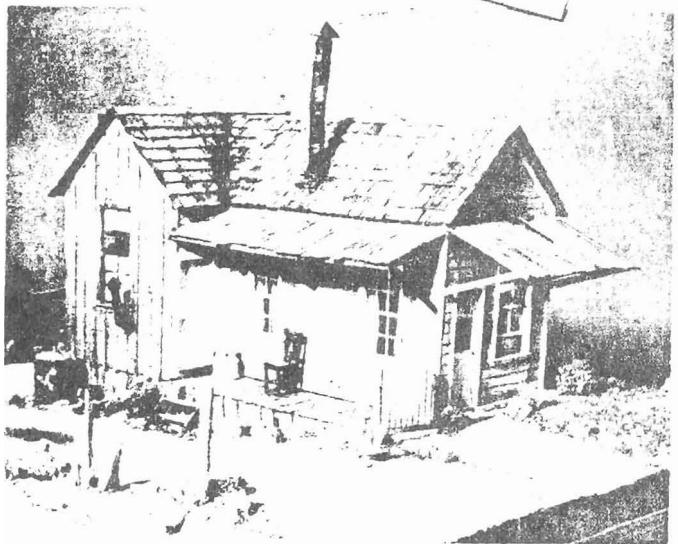
PLAN BOOKS

by AL ARMITAGE

This series features scale drawings of a wide variety of authentic buildings, carefully chosen from the authors' files for their adaptability to railroad modeling. You'll find structures to fit into almost any era, or "period", as well as all sorts of scenic arrangements. It also offers hard-to-get data on donkey engines, logging cars, wagons, and trucks.

Each plan includes photos of the prototype, as well as pertinent data and a brief history of the subject. Some Plan Books contain several structures, or pieces of equipment, while others are limited to an extensive coverage of one subject of complex nature.

All books are loose-leaf, printed on one side only. Pages are numerically indexed and ready for insertion in your own binder.



15 BOOKS AVAILABLE NOW !

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#3	X-644	Buildings of the Old West, Vol. 2	1.50
#4	X-645	Buildings of the Old West, Vol. 3	2.25
#5	X-646	J.S.Cain Residence, Bodie, Calif.	2.50
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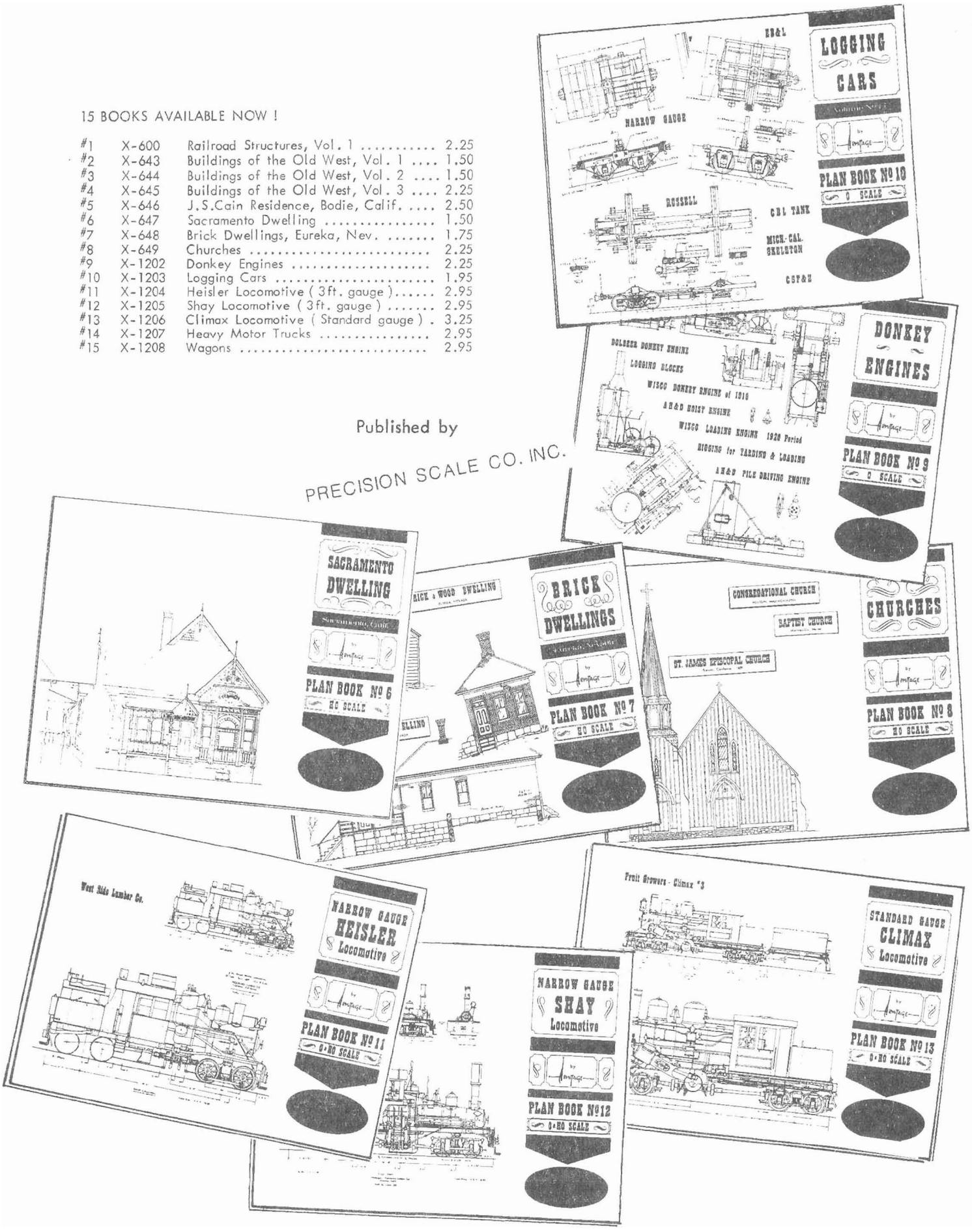
#7	X-648	Brick Dwellings, Eureka, Nev.	1.75
#8	X-649	Churches	2.25
#9	X-1202	Donkey Engines	2.25
#10	X-1203	Logging Cars	1.95
#11	X-1204	Heisler Locomotive (3ft. gauge).....	2.95
#12	X-1205	Shay Locomotive (3ft. gauge)	2.95
#13	X-1206	Climax Locomotive (Standard gauge) .	3.25
#14	X-1207	Heavy Motor Trucks	2.95
#15	X-1208	Wagons	2.95

Published by

PRECISION SCALE CO. INC.



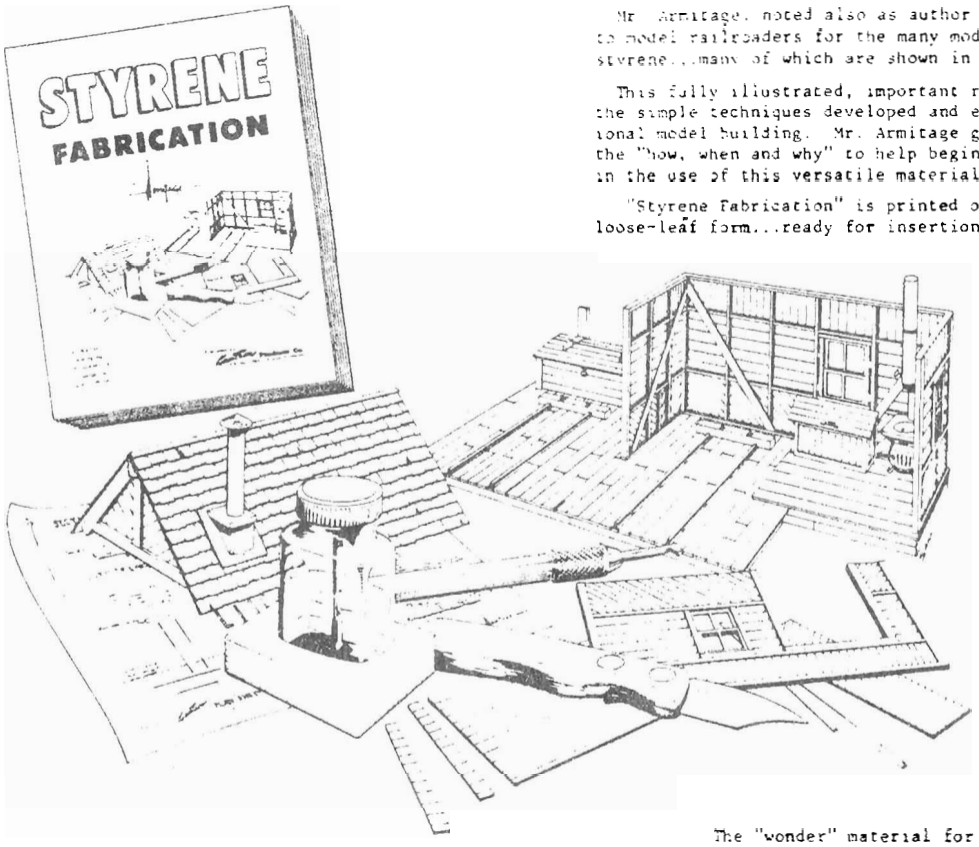
9784 - "STYRENE FABRICATION"

"Styrene Fabrication" is written and illustrated by Al Armitage, successful professional model builder for over a half of a century.

Mr. Armitage, noted also as author and illustrator, is well known to model railroaders for the many models he has constructed from styrene...many of which are shown in the handbook.

This fully illustrated, important reference handbook, explains all the simple techniques developed and employed by the author in professional model building. Mr. Armitage goes to great detail to explain the "how, when and why" to help beginners as well as advanced modelers in the use of this versatile material.

"Styrene Fabrication" is printed on standard 8-1/2" x 11" size in loose-leaf form...ready for insertion in your own reference binder.



STYRENE

The "wonder" material for model building! No grain, no warping, no splinters! And no bother about sanding or sealing, either!

Styrene can be cut with a knife, scraped, sawed, filed, drilled, tapped, carved, bent, formed, and machined like metal. Moisture proof, too!

Styrene bonds together in seconds allowing you to assemble as fast as you can make parts.

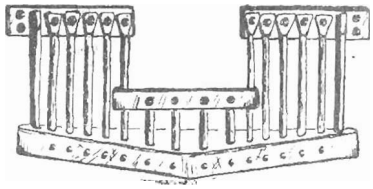
Styrene can be used to modify or to add detail to existing plastic cars or structure kits. Ideal for scratch-building in any scale.

Amazingly adaptable, styrene can reproduce wood, metal, stone, and brick textures with a high degree of fidelity. Unlimited versatility!

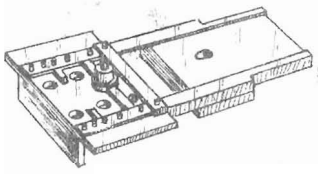
For further information on styrene we suggest you read the following articles in Model Railroader:

page 42	Aug.	1959	by Al Armitage
page 48	Nov.	1959	by Al Armitage
page 74	Dec.	1959	by Al Armitage
page 38	Sept.	1960	by Al Armitage
page 34	Nov.	1960	by Al Armitage
page 60	Dec.	1960	by Al Armitage
page 66	Jan.	1961	by Al Armitage
page 26	Sept.	1961	by Al Armitage
page 27	May	1963	by John Chapp

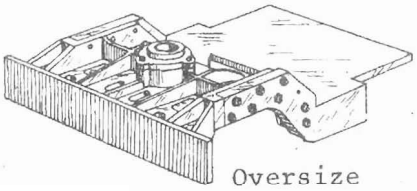
PILOTS



Oversize
PSN3-1913
Pilot,
D&RGW K-series

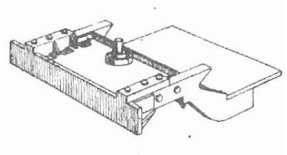


PSN3-1939
Pilot deck plate,
D&RGW C-class

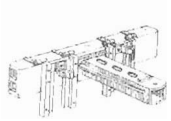


Oversize
PSN3-1955
Pilot deck plate,
D&RGW K-36/37

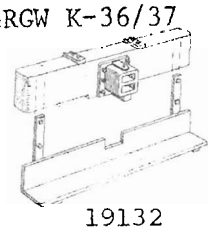
19139
Baldwin wood
slat pilot



PSN3-19023
Pilot deck
plate,
D&RGW K-27



19168
C&S pilot beam
& pocket for snowplows



19132
D&RGW C-16 #271
switcher pilot
w/foot boards

R

PSN3-1994
Working
reverse lever,
D&RGW K-series

PSN3-1903
Reverse lever,
D&RGW C-16

PSN3-19057
Rerail frog
hooks,
D&RGW tender,
pkg. 4

PSN3-19029
Cylinder
relief valves,
D&RGW K-27,
pr.

PSN3-1951
Cylinder
relief valves,
D&RGW K-series,
pr.

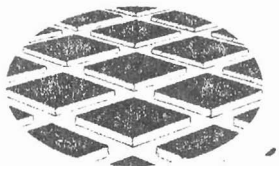
PSN3-19089
Power reverse
D&RGW K-28
ea.

PSN3-19091
D&RGW power
reverse assist,
(goes between
frame) ea.

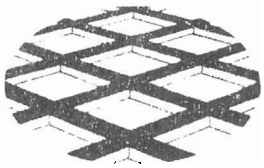
Oversize
PSN3-19116
Wabco brake
retainer, brass
pkg. 4

PSN3-19117
Plastic
pkg. 4

SAFETY TREAD

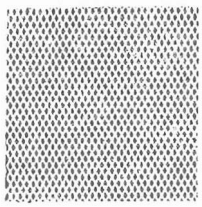


RAISED DIAMOND
(grid is etched into the brass)



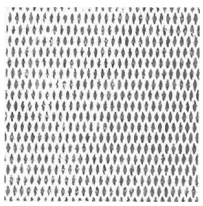
RAISED GRID
(diamond is etched into the brass)

.025" Thick

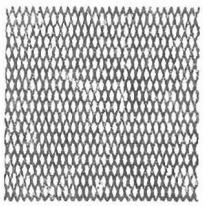


Raised Diamond
5" x 7"
GH-48251

Raised Grid
5" x 7"
GH-48252



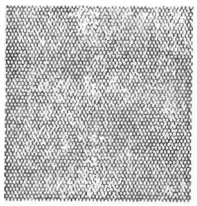
Raised Diamond
5" x 7"
GH-48253



Raised Grid
5" x 7"
GH-48254

Here is a detailing item to add that extra touch of reality to your finest models. Safety tread is used extensively on locomotives, cars, and all sorts of buildings and structures, for stairs, walkways, and platforms. **Two types**, as shown above, provide for most needs.

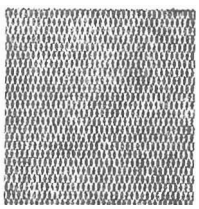
.020" Thick



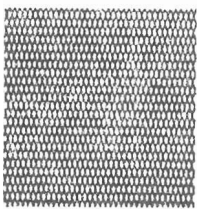
Raised Diamond
5" x 7"
GH-48255

Raised Diamond
5"x 7"
GH-48256

Raised Grid
5"x 7"
GH-48257

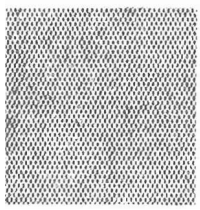


Raised Diamond
5" x 7"
GH-48258



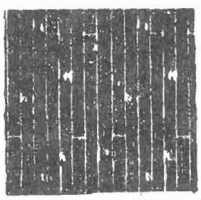
Raised Grid
5" x 7"
GH-48259

.012" Thick



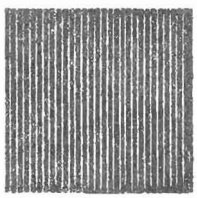
Raised Diamond
5"x 7"
GH-48260

ETCHED PLANKING: All planking .020" thick
Negative: Lines Depressed
Positive: Lines Raised

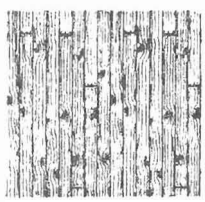


6" Planking, Grained
5' - 7"
GH-48245
(Negative)

6" Planking
5" x 7"
GH-48246
(Negative)

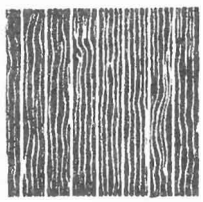


3" Planking
5" x 7"
GH-48247
(Positive)



6" Planking, Grained
5" x 7"
GH-48248
(Positive)

12" Planking w/grain
5 x 7
GH-48249
(Positive)

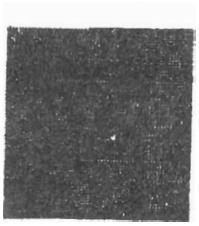


12" Planking w/grain
5 x 7
GH-48250
(Negative)

4 styles of wood sheathing for use on brass models. Suitable for car sides and floors, building siding and flooring, and such things as fences, packing crates, etc. Can be used in all scales.

SCREEN

Fine mesh screen is often useful where expanded metal is too large or the wrong texture. Try it for spark arresters on logging locomotives or screen doors on buildings!

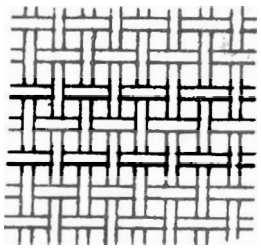


70 MESH

K-48262
#70 brass
wire screen,
4 " x 6"

100 MESH

80 MESH



60 MESH

OVERSIZE SHOWN ABOVE FOR DETAIL
ACTUAL SIZE SHOWN BELOW

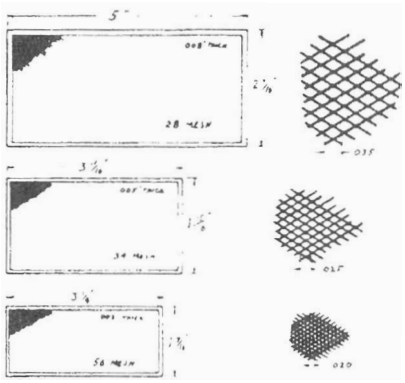
GH-48119

GH-48118

GH-48117

BRASS WIRE SCREEN

NO.	MESH	OPEN AREA	SIZE	QUANTITY
GH-48117	#60	.0065 x .0065	4 " x 6"	each
GH-48262	#70	.007 x .007	4 " x 6"	each
GH-48118	#80	.0055 x .0055	4 " x 6"	each
GH-48119	#100	.0045 x .0045	4 " x 6"	each



SOLDERABLE GERMAN SILVER SCREENING

GH-48384 28 MESH, .008" x 2-7/16" x 5"

GH-48385 34 MESH, .005" x 1-15/16" x 3-11/16"

GH-48386 56 MESH, .003" x 1-7/16" x 3-1/4"

SPRINGS

PSCC-7007
For trucks & draft gear, pkg. 16

Oversize
PSSH-8054
For trucks & draft gear, pkg. 4

Undersize
PSP-044
For trucks & draft gear, pkg. 4

K-48244
Flex-coupling for 3/32" shaft

K-31441
For trucks & draft gear, pkg. 12

A-160
For trucks & draft gear, pkg. 6

A-350
For trucks & draft gear, pkg. 12

A-352
For trucks & draft gear, pkg. 12

A-356
For trucks & draft gear, pkg. 12

A-381
For trucks & draft gear, pkg. 12

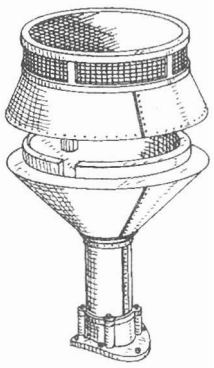
A-382
For trucks & draft gear, pkg. 12

A-168
For trucks & draft gear, pkg. 10

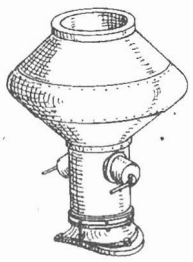
PSN3-1915
Driver leaf springs, D&RGW K-36/37, pkg. 4

STACKS

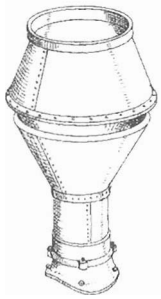
19014
Bear trap w/Ridgway spark arrestor



19156
Lima Shay 36-42T wood burning stack

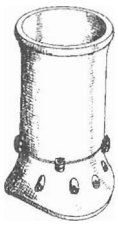


19163
Cabbage stack for Shays & others



19137
Hi-top diamond stack w/separate screen, D&RGW & others

19136
Diamond stack D&RGW & others w/separate screen



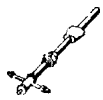
PSN3-1966
Stack, D&RGW K-36/37

PSN3-19110
Smoke stack D&RGW caboose pr.

PSN3-1945
Westinghouse
3-way sander
or straight
air control

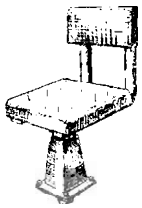
PSN3-1976
Sanders,
D&RGW
K-series,
pr.

PSN3-19027
Sanders,
D&RGW K-27,
pr.



PSN3-19065
Sander valves,
D&RGW C-class,
pr.

PSN3-19084
Sander valve for
K-28/K-36 sand do
pr.

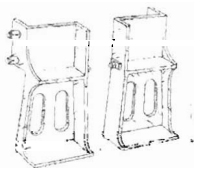


Oversize
PSN3-1983
Pedestal type
cab seats,
pr.

PSN3-19040
Box type seats,
cab
pr.

PSN3-1933
Stake pockets,
D&RGW flat car,
pkg. 20

PSN3-1926
D&RGW tender
tank stays,
pkg. 6



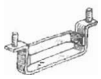
PSN3-1984
Front steps,
standard gauge
K-37 tender,
pr.

Oversize
PSN3-1912
Tender steps,
D&RGW K-series,
pkg. 4

Oversize
PSN3-1952
Down mount
boiler steps,
pkg. 4

Oversize
PSN3-1975
Up mount
boiler steps,
pkg. 4

PSN3-1927
Tender steps,
D&RGW K/C-class,
pkg. 4



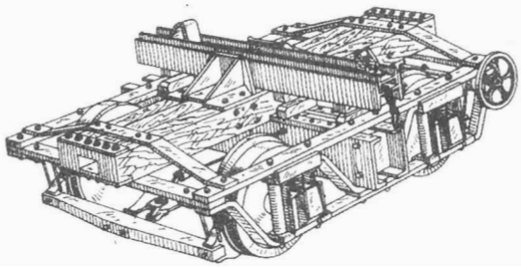
PSN3-19113
Caboose steps
D&RGW
pkg. 4

19142
BLW cab
support & steps
3 pcs.

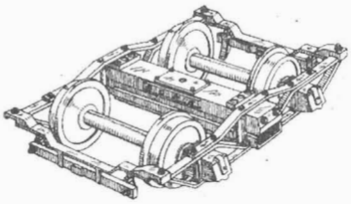
19164
Westside style
caboose steps
pkg.4

19155
Lima Shay 36-42T
cab steps,pr.

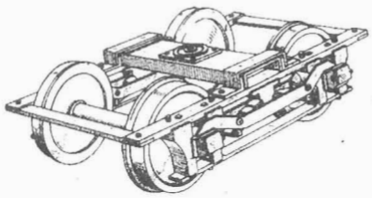
TRUCKS



19123
PC&F disconnected
trucks w/wheels
kit
19124
less wheels
kit

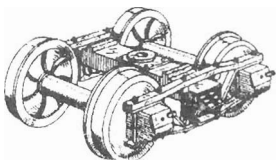


PSN3-19108
Westside caboose trucks
incl. sideframes, bolster,
brake shoes
pr.

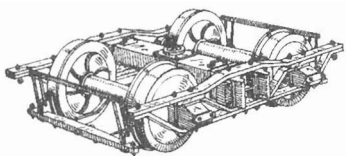


19147
BLW steel
tender trucks
C&C, SP, NCNG #8
& others, w/wheels
Sn3, kit
19148
less wheels
kit

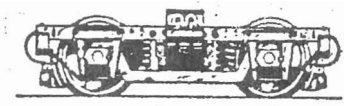
19150
less wheels, S, kit



PSN3-1920
D&RGW caboose trucks
w/leaf springs,24"
wheels, brake shoes, pr.
PSN3-1921
Less wheels, pr.

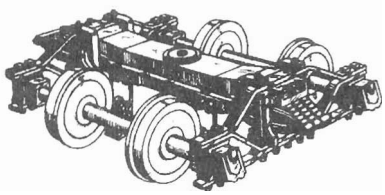


19144
Swing-motion
Archbar trucks
w/wheels & brake beams
Sn3, kit
19145
less wheels
kit

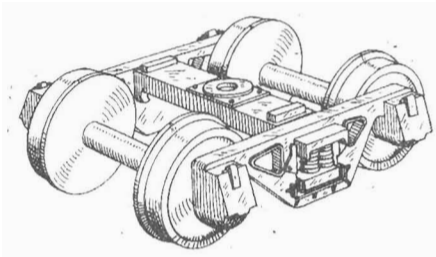


PSN3-19120
Passenger trucks
SN3, pr.

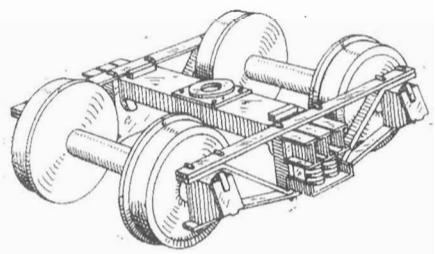
PSN3-19120-1
Assembled brass
pr.



PSN3-1963
D&RGW K-37
tender trucks,
pr.

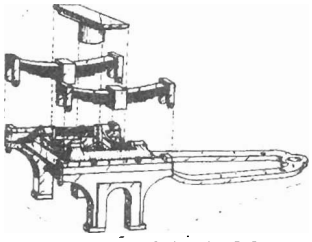


PSN3-19118
Gramps tank car
truck kit w/wheels
pr.

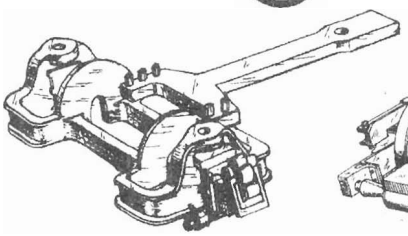


PSN3-19119
UTLX tank car
trucks w/wheels
kit, pr.

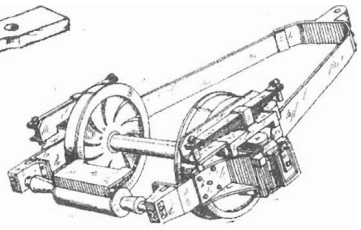
TRUCKS (con't)



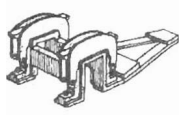
PSN3-19074
Lead truck
D&RGW C-class
ea.



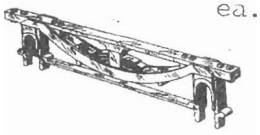
PSN3-1964
D&RGW K-36/37/28
lead truck
less wheels



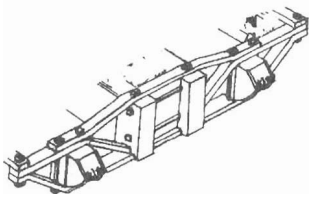
PSN3-1961
Trailing truck
less wheels,
D&RGW K-37/28



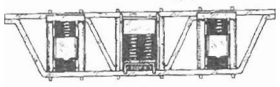
PSN3-19020
Lead truck
less wheels,
D&RGW K-27



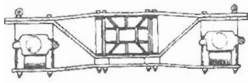
19143
BLW 4-4-0 lead
truck sideframes
pr.



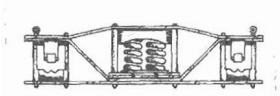
PSN3-1940
Carter Bros. truck
side frames,
2 pr.



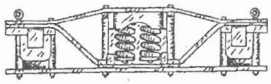
PSN3-1944
Climax truck
side frames,
2 pr.



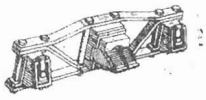
PSN3-19080
D&RGW C-class
tender truck
sideframes
pkg. 4



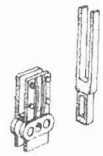
PSN3-19102
Archbar truck
sideframes,4'8"WB
pkg. 4



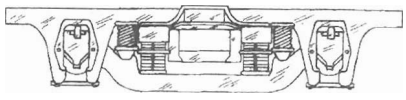
PSN3-19072
D&RGW C-19 tender
truck side frames,
2 pr.



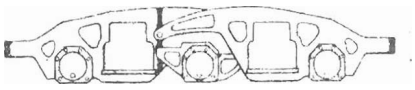
PSN3-19047
Tender truck
side frames,
D&RGW K-27,
2 pr.



PSN3-1965
Rear frame
equalizing
brackets,
K-37 trailing
truck, 4 pcs.

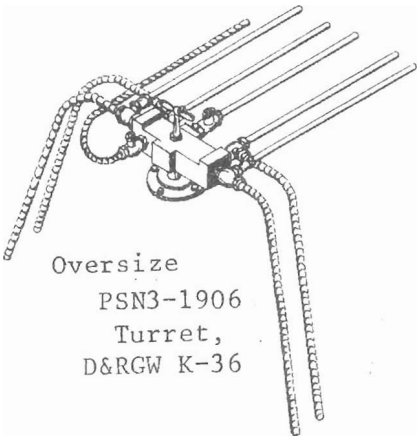


PSN3-19111
Commonwealth 4-wheel
pass.car truck sideframes
bottom equalizer type
4 pcs.
PSN3-19112
Plastic
4 pcs.

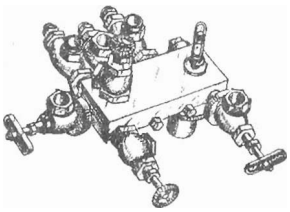


PSN3-1932
Buckeye tender truck
side frames, 2 pr.

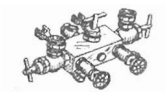
TURRETS



Oversize
PSN3-1906
Turret,
D&RGW K-36



Oversize
PSN3-1970
Turret,
D&RGW K-37



PSN3-19082
D&RGW K-28
turret

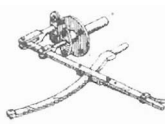
Oversize
PSN3-1971
Auxiliary turret
for pop valves &
whistle, K-37

PSN3-1905
6-valve
fountain
turret, D&RGW

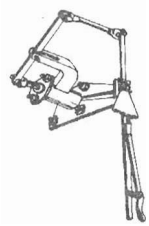
Oversize
PSN3-19007
Auxiliary
turret valve
w/shut-off

PSN3-1923
1-3/4" turret
valves, cored,
pkg. 3

PSN3-1929
Triple gauge
& throttle,
D&RGW C-class,
2 pcs.



PSN3-1995
Throttle



PSN3-19092
Backhead throttle
D&RGW K-27/K-36
ea.

PSN3-19121
Turnbuckles
brass, SN3
Pkg. 8
PSN3-19122
plastic
Pkg. 26

VALVES & VALVE GEAR

A-309	0.7 x 1.5	
A-310	0.7 x 2.0	
A-311	0.7 x 2.5	
A-312	0.7 x 3.0	
A-313	0.9 x 1.5	
A-314	0.9 x 2.0	
A-315	0.9 x 2.5	
A-316	0.9 x 3.0	
A-317	0.9 x 3.5	
A-318		
A-137		
A-138		
A-139		
A-140		
A-141		
A-142		

PSN3-1954
Water valves, D&RGW tender, pr.

PSN3-19097
Safety valve, angle mount, Texaco tank car dome ea.

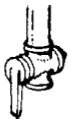
PSN3-19105
Dome vent safety valve used on Gramps/Conex pkg. 2

GH-4851
.032" core for 2½" air line, pkg. 6
GH-4851-1
Plastic
Pkg.6

GH-4852
.018" core for 1¾" air line, pkg. 2
GH-4852-1
Plastic
Pkg. 2

PSH-4854
Sm. air tank drain valves, pkg. 4

PSH-4853
Lg. air tank drain valves, pkg. 4



K-48267
Drain cocks, pkg. 12

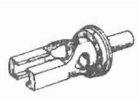
PSH-4830
Petcock on 1", 1-1/2" & 2" pipe, pkg. 3

PSN3-19008
Auxiliary shut-off valve w/plumbing, D&RGW K-36/37

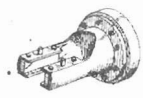
PSH-48121
Plas., pkg. 6

PSH-48120
Plas., pkg. 6

VALVE GEAR RIVETS
pkg. 12



PSN3-19022
Piston valve guides, D&RGW K-27, pr.



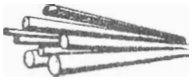
PSN3-1977
Nickel silver valve guides, D&RGW K-36/37, pr.

PSN3-19009
Nickel silver radius links, D&RGW K-36/37, pr.

PSN3-19010
Nickel silver eccentric links, D&RGW K-36/37, pr.

PSN3-19045
Nickel silver reverse links, D&RGW K-27, pr.

BRASS WIRE

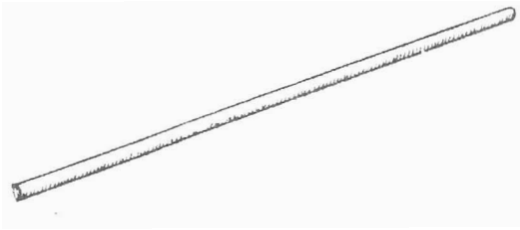


STRAIGHT BRASS WIRE IN MILLIMETERS, FITS CORED MACHINED UNIONS
(APPROX. LENGHTH 12")

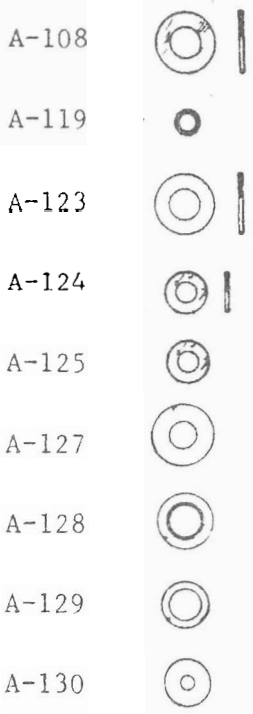
PART NO.	OUTSIDE DIAMETER IN MM.	OUTSIDE DIAMETER THOUSANDTHS	S SCALE	O SCALE	QUANTITY
GH-4867	.2	.008	1/2"	3/8"	pkg. 6
GH-4868	.3	.012	3/4"	5/8"	pkg. 6
GH-4869	.4	.016	1"	3/4"	pkg. 10
GH-4870	.5	.020	1-1/4"	1"	pkg. 10
GH-4871	.6	.024	1-1/2"	1-3/16"	pkg. 10
GH-4872	.7	.028	1-3/4"	1-3/8"	pkg. 10
GH-4873	.8	.032	2"	1-1/2"	pkg. 10
GH-4874	.9	.035	2-1/8"	1-5/8"	pkg. 10
GH-4875	1.0	.040	2-1/2"	2"	pkg. 10
GH-4876	1.2	.045	3"	2-1/4"	pkg. 10

HALF ROUND BRASS WIRE
(APPROX. LENGTH - 12")

PART NO.	OUTSIDE DIAMETER IN MM.	OUTSIDE DIAMETER THOUSANDTHS	S SCALE	O SCALE	QUANTITY
GH-4877	1.35 x 75	.056 x .031	3-3/4"	2-3/4"	pkg. 6
GH-4878	.70 x 25	.028 x .014	1-3/4"	1-3/8"	pkg. 6

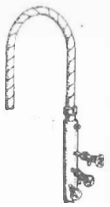


GH-48116
Half-round wire,
.055" x .033"
(85 mm x 77 mm)
12" long, pkg. 6



WASHERS: Washers are metal except 123 & 125 which are plastic

NO.	I.D.	O.D.	THK.	QUANTITY
A-108	.180	.300	.020	pkg. 12
A-119	.110	.190	.018	pkg. 12
A-123	.163	.317	.011	pkg. 12
A-124	.129	.229	.018	pkg. 12
A-125	.125	.237	.012	pkg. 12
A-127	.159	.278	.015	pkg. 12
A-128	.160	.275	.030	pkg. 12
A-129	.161	.237	.020	pkg. 12
A-130	.077	.241	.020	pkg. 12



PSN3-1987
Nathan type
water glass
(use w/1988)

PSN3-1904
Sight type
waterglass

PSN3-1937
Nathan type
5-chime
whistle

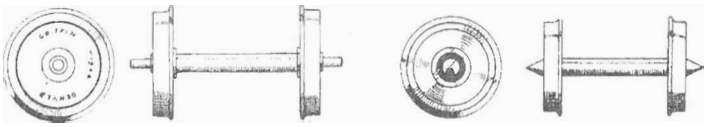
PSN3-1973
5-chime
whistle

PSN3-19041
Side mount
whistle,
D&RGW K-27

PSN3-19071
Top mount,
down-lever
whistle

PSN3-1988
Nathan type
water column
w/drain funnel

19134
C&S stubby
whistle



Oversize

PSN3-19115
26" Griffin Denver
wheel sets, SN3
pkg. 4

PSN3-19169
Wheel sets, 26"
wheels insulated
one side, pointed
axles, SN3, pkg. 8

S SCALE CATALOG PARTS LIST

Part #	Description	Package	Price
44.	Springs, coil, journal, for trucks & draft gear	Pkg. 4	$1.75
78.	Caps, delrin crank pins	Pkg. 4	$1.75
108.	Washers, .180 ID, .300 OD, .020 thick	Pkg. 12	$2.25
118.	Bearings, oilite,.115 ID, .187 OD, flanged	Pkg. 4	$1.75
119.	Washers, .110 ID, .190 OD, .018 thick	Pkg. 12	$2.25
123.	Washers, .163 ID, .317 OD, .011 thick	Pkg. 12	$2.25
124.	Washers, .129 ID, .229 OD, .018 thick	Pkg. 12	$2.25
125.	Washers, .158 ID, .255 OD, .010 thick	Pkg. 12	$2.25
127.	Washers, .159 ID, .278 OD, .015 thick	Pkg. 12	$2.25
128.	Washers, .160 ID, .275 OD, .030 thick	Pkg. 12	$2.25
129.	Washers, .161 ID, .237 OD, .020 thick	Pkg. 12	$2.25
130.	Washers, .077 ID, .241 OD, .020 thick	Pkg. 12	$2.25
137.	Rivets, valve gear, shouldered	Pkg. 12	$3.50
138.	Screws, valve gear	Pkg. 12	$3.50
139.	Rivets, valve gear, shouldered	Pkg. 12	$3.50
140.	Rivets, valve gear, 1.5 x 8.5	Pkg. 12	$3.50
141.	Rivets, valve gear, 1.6 x 7.7	Pkg. 12	$3.50
142.	Rivets, valve gear, long, 0.1 x .10	Pkg. 12	$3.50
160.	Springs, king pin	Pkg. 6	$2.50
168.	Springs, coil, trucks & draft gear	Pkg. 10	$2.25
170.	Flexible armored hose, wound brass spring wire, flexible piping, 1-1/2" long, .058 OD, HO-5", O-2-1/2"	Pkg. 2	$1.75
175.	Flexible armored hose, wound brass spring wire, flexible piping, 1-1/2" long, .067 OD, HO-6", O-3"	Pkg. 2	$1.75
178.	Flexible armored hose, wound brass spring wire, flexible piping, 2" long, .058 OD, HO-5", O-201/2"	Pkg. 2	$2.00
190.	Flexible armored hose, .065" OD, .030" ID x 2"	Pkg. 2	$1.75
191.	Flexible armored hose, .115" OD, .090" ID x 1-1/4	Pkg. 2	$1.75
309.	Rivets, valve gear, 0.7 x 1.5	Pkg. 12	$2.75
310.	Rivets, valve gear, 0.7 x 2.0	Pkg. 12	$2.75
311.	Rivets, valve gear, 0.7 x 2.5	Pkg. 12	$2.75
312.	Rivets, valve gear, 0.7 x 3.0	Pkg. 12	$2.75
313.	Rivets, valve gear, 0.9 x 1.5	Pkg. 12	$2.75
314.	Rivets, valve gear, 0.9 x 2.0	Pkg. 12	$2.75
315.	Rivets, valve gear, 0.9 x 2.5	Pkg. 12	$2.75
316.	Rivets, valve gear, 0.9 x 3.0	Pkg. 12	$2.75
317.	Rivets, valve gear, 0.9 x 3.5	Pkg. 12	$2.75
318.	Rivets, valve gear, shouldered, 0.9 x 3.5	Pkg. 12	$2.75
319.	Hinges, small working, .110 x .340	Pkg. 12	$5.00
320.	Hinges,. working, .156 x .560	Pkg. 12	$5.25
332.	Bushings, .080 dia., .085" long, HO	Pkg. 6	$1.50
333.	Crank pins w/shoulder, .260" long, main rod	Pkg. 2	$1.50
334.	Crank pins w/shoulder, .230" long, main rod, for eccentric, HO	Pkg. 2	$1.50
335.	Crank pins, .090" long, side rod	Pkg. 8	$3.50
336.	Crank pins, .070" long, side rod	Pkg. 8	$3.00
350.	Springs, bolster	Pkg. 12	$2.75
352.	Springs, trucks & draft gear	Pkg. 12	$2.75

Part #	Description	Package	Price
356.	Springs, steel coil, trucks & draft gear.....	Pkg. 12	$2.75
370.	Stanchions, handrail, machined & drilled, 1.5 mm.....	Pkg. 12	$3.50
371.	Stanchions, handrail, machined & drilled, 2.0 mm.....	Pkg. 12	$3.50
372.	Stanchions, handrail, machined & drilled, 2.5 mm.....	Pkg. 12	$3.50
373.	Stanchions, handrail, machined & drilled, 3.0 mm.....	Pkg. 12	$3.50
374.	Stanchions, handrail, machined & drilled, 3.5 mm.....	Pkg. 12.	$3.50
375.	Stanchions, handrail, machined & drilled, 4.0 mm.....	Pkg. 12	$3.50
381.	Springs, small driver replacements, HO.....	Pkg. 12	$2.75
382.	Springs, large driver replacements, HO.....	Pkg. 12	$2.75
400.	Bulb, grain of wheat, .115 dia., 12-V, clear.	Pkg. 4	$3.75
401.	Bulb, grain of wheat, .115 dia., 12-V, red...	Pkg. 4	$3.75
402.	Bulb, grain of wheat, .115 dia., 12-V, green.	Pkg. 4	$3.75
403.	Bulb, grain of wheat, .115 dia., 12-V, amber.	Pkg. 4	$3.75
405.	Bulb w/built-in lense, .115 dia., 12-V, clear	Pkg. 2	$2.75
409.	Bulb, large, 1.5 volt, 1.025"dia., clear.....	Pkg. 8	$9.50
410.	Bulb, micro-miniature, .048"dia., 1.5V clear.	Pkg. 8	$10.75
489.	Electrical connection, micro-duplex w/wires.	2 Sets.	$3.00
490.	Electrical connection, micro-miniature 2-prong.....	2 Sets.	$2.50
491.	Electrical connection, micro-miniature duplex, 3-prong.....	2 Sets.	$2.75
492.	Electrical connection, miniature 4-prong.....	Ea.	$2.75
505.	Crank pins, 0-80 x .085.....	Pkg. 8	$1.75
1191.	Hooks, 9" chain, tender and pass. cars.....	Pkg. 4	$2.50
1278.	Hooks, rerail frog, outside hung.....	Pkg. 4	$2.50
1282.	Hangers, chain, inside hung, tender trucks...	Pkg. 4	$2.50
1710.	Sn3, D&RGW C-16 #268 tender wrapper and air tank wrapper.....	Ea.	$11.95
1901.	Backhead, D&RGW C-16.....	Ea.	$3.75
1902.	Firedoor, oval, D&RGW C-16.....	Ea.	$3.00
1903.	Lever, reverse, D&RGW C-16.....	Ea.	$3.00
1904.	Water glass.....	Ea.	$2.00
1905.	Turret, 6-valve fountain, D&RGW C-class.....	Ea.	$3.00
1906.	Turret, D&RGW K-36.....	Ea.	$5.25
1907.	Valves, blow-off, early D&RGW K series.....	Pr.	$2.75
1908.	Control, air brake, Westinghouse E-6 automatic.....	Ea.	$4.00
1909.	Boards w/lenses, train indicator, R&L.....	Pr.	$3.00
1910.	Injectors, Edna type.....	Pr.	$4.00
1911.	Marker lamps & bases, hollow.....	Pr.	$3.25
1912.	Steps, tender, D&RGW K-series.....	Pkg. 4	$3.25
1913.	Pilot, D&RGW K-series.....	Ea.	$4.75
1914.	Lubricator, Bullseye, triple-feed, Nathan....	Ea.	$3.00
1915.	Springs, driver leaf, D&RGW K-36/37.....	Pkg. 4	$3.25
1916.	Beams w/shoes & hangers, D&RGW tender brake..	Pkg. 4	$4.50
1917.	Shoes, D&RGW C-16 brake.....	Pkg. 6	$3.00
1918.	Firedoor, Butterfly w/foot pedal.....	Ea.	$4.00
1919.	Clamps, lagging.....	Pkg. 6	$3.00

Part #	Description	Package	Price
1920.	Trucks, D&RGW caboose, w/leaf springs, 26" wheels and brake shoes, Sn3, kit.....	Pr.	$16.75
1921.	Trucks, D&RGW caboose, w/leaf springs, less wheels, Sn3 kit.....	Pr.	$12.50
1922.	Bolster, truck, Sn3.....	Pr.	$3.00
1923.	Valves, turret, cored, 1-3/4".....	Pkg. 3	$2.75
1924.	Headlight, early arc type, D&RGW.....	Ea.	$3.50
1925.	Brackets, coupler lift bar, D&RGW.....	Pkg. 4	$2.75
1926.	Stays, tender tank, D&RGW.....	Pkg. 6	$3.25
1927.	Steps, tender, D&RGW K/C classes.....	Pkg. 4	$3.50
1928.	Beams, shoes (NOT AVAILABLE - DELETED)		
1929.	Gauge & throttle, triple, D&RGW C-class.2 pcs	Set.	$3.25
1932.	Sideframes, tender truck, Buckeye type.....	2 Pr.	$7.25
1933.	Stake pockets, D&RGW flat car.....	Pkg. 20	$5.25
1934.	Braces, deck, D&RGW.....	Pr.	$2.50
1935.	Firedoor, clamshell type w/step.....	Ea.	$3.75
1936.	Generator, turbo, Pyle National ES type.....	Ea.	$3.50
1937.	Whistle, 5-chime, Nathan type.....	Ea.	$2.50
1938.	Counterweights, D&RGW K-36/37.....	Pkg. 8	$5.00
1939.	Plate, pilot deck, D&RGW C-class.....	Ea.	$4.00
1940.	Sideframes, truck, Carter Bros.....	2 Pr.	$6.50
1941.	Headlight, arc type, style 1.....	Ea.	$3.25
1942.	Headlight, arc type, style 2.....	Ea.	$3.25
1943.	Headlight, arc type, style 3.....	Ea.	$3.25
1944.	Sideframes, Climax truck.....	2 Pr.	$6.25
1945.	Control, Westinghouse, 3-way sander/straight air.....	Ea.	$3.50
1947.	Cocks, blow-off, late Okadee type.....	Pr.	$2.75
1948.	Gauge, triple, D&RGW K-series locomoitve.....	Ea.	$2.75
1949.	Bracket, headlight, D&RGW K-series.....	Ea.	$2.50
1950.	Covers, cylinder port, D&RGW.....	Pkg. 4	$2.75
1951.	Valves, cylinder relief, D&RGW K-series.....	Pr.	$2.25
1952.	Steps, boiler, down mount.....	Pkg. 4	$2.50
1953.	Lubrictor w/port cover, Detroilt cylinder....	Pkg. 4	$2.50
1954.	Valves, water, D&RGW tender.....	Pr.	$2.50
1955.	Plate, pilot deck, D&RGW K-36/37.....	Ea.	$5.25
1956.	Headlight, less visor, Pyle National type....	Ea.	$3.50
1957.	Headlight, w/visor, Pyle National type.....	Ea.	$3.75
1958.	Gauge, dual steam, D&RGW K-series.....	Ea.	$2.50
1959.	Spacer w/buffer, rear frame, D&RGW K-36/37...	Ea.	$6.50
1960.	Extensions, rear frame, R&L, D&RGW K-37.....	Pr.	$6.00
1961.	Truck, trailing, less wheels, D&RGW K-37/28, kit.....	Pr.	$6.75
1962.	Strainer, Westinghouse air pump, w/plumbing, D&RGW K-36/37.....	Ea.	$2.25
1963.	Trucks, tender, D&RGW K-37.....	Pr.	$11.00
1964.	Truck, lead, less wheels, D&RGW K-36/37/28...	Ea.	$4.75
1965.	Brackets, rear frame equalizing, D&RGW K-37 trailing truck.....	4 Pcs.	$4.25
1966.	Stack, D&RGW K-36/37.....	Ea.	$5.50
1967.	Generator, Pyle National K-2 type.....	Ea.	$3.25
1968.	Governor, air pump, Westinghouse AD type.....	Ea.	$1.75
1969.	Flanger, D&RGW C-class lead truck.....	Ea.	$4.75
1970.	Turret, D&RGW K-37.....	Ea.	$3.25

Part #	Description	Package	Price
1971.	Turrett, auxiliary for pop valves & whistle, K-37	Ea.	$2.75
1972.	Injectors, Nathan Simplex	Pr.	$4.25
1973.	Whistle, 5-chime	Ea.	$2.50
1974.	Ends, cooling coil, for .20" wire	Pkg. 6	$2.75
1975.	Steps, boiler, up-mount	Pkg. 4	$2.50
1976.	Sanders, D&RGW K-series	Pr.	$2.25
1977.	Guides, valve, D&RGW K-36/37, N/S	Pr.	$4.00
1978.	Lubricator, Detroit cylinder, less port covers	Pkg. 4	$3.25
1979.	Valves, boiler check w/elbow, K-36/37, R&L	Pr.	$2.25
1980.	Cylinder, locomotive brake	Pr.	$3.00
1981.	Bracket & levers, for mounting, for #1980 cylinder, 3 pcs	Set.	$3.50
1982.	Bell w/bracket, D&RGW	Ea.	$3.00
1983.	Seats, cab, pedestal type	Pr.	$3.75
1984.	Steps, front, std. gauge tender, D&RGW K-37	Pr.	$3.00
1985.	Coupler pocket, 3-way, D&RGW	Ea.	$3.00
1986.	Control, heater, w/piping, cab interior	Ea.	$3.25
1987.	Water glass, Nathan type {use w/1988}	Ea.	$2.25
1988.	Water column w/drain funnel, Nathan type	Ea.	$3.25
1989.	Journals, truck	Pkg. 4	$3.00
1990.	Hatch, water, D&RGW K-37	Ea.	$3.50
1991.	Lubricator, mechanical, Detroit DV-4 type	Ea.	$2.75
1992.	Pump, air, cross compound, Westinghouse	Ea.	$4.00
1993.	Dirt collector, centrifugal, Westinghouse	Ea.	$2.00
1994.	Lever, reverse, working, D&RGW K-series	Ea.	$2.75
1995.	Throttle	Ea.	$3.25
1996.	Control, train air brake, Westingouse H-6	Ea.	$3.25
1997.	Control, engine air brake, Westinghouse S-6	Ea.	$3.75
1998.	Cylinder, brake, Sn3 tender	Ea.	$2.50
1999.	Bolsters, "steel", D&RGW 6500 series flat car	Pr.	$4.25
3277.	Handle, turret valve, 5-1/2" dia. w/long stem	Pr.	$1.75
3278.	Handle, turret valve, w/short stem, 3-15/16" dia	Pr.	$1.75
4009.	Gears, helical, 1:1 ratio	Pr.	$3.75
4018.2	Gear box w/1:1 ratio helical gears	Ea.	$6.75
4018.3	Gear box w/2:1 ratio skewed bevel gears, 3/32" Delrin	Ea.	$8.00
4018.4	Gear box w/1:1 ratio skewed bevel gears	Ea.	$5.50
4018.5	Gear box w/1:1 ratio in-line bevel gears	Ea.	$6.00
4055.	Pipe, lagged, cast, .040 OD, 2-1/2" long	Pkg. 3	$2.25
4058.	Hooks, chain, locomotive or freight cars	Pkg. 4	$2.50
4069.	Hangers, chain, inside tender	Pkg. 4	$2.50
4114.	Pipe, lagged, cast, .035" OD, 1" long	Pkg. 3	$2.75
4115.	Pipe, lagged, machined, .055" OD, 2-1/2" long	Pkg. 3	$3.00
4219.	Ends, cooling coil, .020" dimples	Pkg. 6	$2.50
4689.	Flexible armored hose or water line connection, .065" OD, .030" ID, 7" long	Ea.	$2.75
4827.	Joints, pipe, machined, square, double flange 4 sizes, 2 of each, HO, S, O	Pkg. 8	$3.00
4827.1	Joints, pipe, plastic, square, double flange 4 sizes, 4 of each, HO, S, O, plastic	Pkg. 18	$2.75

Part #	Description	Package	Price
4828.	Joints, pipe, square, double-flange, machined .117 flange, .075, .050 core dia., HO-4", S-2-3/4", O-2"	Pkg. 2	$2.50
4828.1	Joints, pipe, square, double-flange, machined .138 flange, .080, .060 core dia., HO-5", S-3", O-2-1/2"	Pkg. 2	$2.50
4829.	Valve, globe, large tee handle	Pkg. 3	$2.50
4830.	Petcocks, on 1", 1-1/2" and 2" pipe	Pkg. 3	$2.50
4831.	Handles, injector, 1 each, el, tee, & crank	Pkg. 3	$2.25
4832.	Valves, globe, w/serrated handles on pipe, no core: 1 tee/2" pipe & 2 tees/2-5/8" pipe-HO, 1 tee/1-1/2" pipe & 2 tees/2" pipe-O scale	Pkg. 3	$2.50
4834.	Valve, globe, 2" on 3" pipe HO and 1-1/4" globe valve on 4" pipe O	Pkg. 3	$2.50
4835.	Valve, globe, 1-3/4" w/4-1/2" handle HO and 3/4" globe valve w/3" handle O, no core	Pkg. 3	$2.50
4836.	Nuts, double hex .032" dia., on .017" dia. bolt	Pkg. 38	$3.25
4837.	Nuts, double hex .040" dia., on .020" dia. bolt	Pkg. 38	$3.25
4838.	Nuts, double hex .037" dia., on .025" dia. bolt	Pkg. 38	$3.25
4839.	Unions & elbows, pipe, .030"core (pl.48427)	Pkg. 14	$3.25
4840.	Valves, cored globe, .012" dia., 3/4"-HO, 3/8"-S, 1/4"-O	Pkg. 3	$2.50
4840.1	Valves, cored globe, .016" dia., 1"-HO, 5/8"-S, 3/8"-O	Pkg. 3	$2.50
4840.2	Valves, cored globe, .020" dia., 1-1/4"-HO, 3/4"-S, 5/8"-O	Pkg. 3	$2.50
4840.3	Valves, cored globe, .024" dia., 1-3/4"-HO, 1"-S, 3/4"-O	Pkg. 3	$2.75
4840.4	Valves, cored globe, .028" dia., 2"-HO, 1-3/8"-S, 1"-O	Pkg. 3	$2.75
4840.5	Valves, cored globe, .032" dia., 2-1/2"-HO, 1-1/2"-S, 1-1/8"-O	Pkg. 3	$2.75
4840.6	Valves, cored globe, .035" dia., 2-3/4"-HO, 1-3/4"-S, 1-1/4"-O	Pkg. 3	$2.75
4840.7	Valves, cored globe, .040" dia., 3"-HO, 2"-S, 1-1/2"-O	Pkg. 3	$2.75
4840.8	Valves, cored globe, .045" dia., 3-1/2"-HO, 2-1/2"-S, 1-3/4"-O	Pkg. 3	$2.75
4841.	Valve, "el" globe w/1-1/4" handle, no core: 3/4" HO, 3/8" S, 1/4" O	Pkg. 4	$2.50
4842.	Pipe, machined lagged, .019" OD, 3/4"-HO, 1/2"-S, 1/4"-O, 3/8"-1/2", 6" length	Pkg. 3	$2.50
4843.	Pipe, machined lagged, .028" OD, 1-1/2"-HO, 1"-S, 3/4"-O, 5/8"-1/2", 6" length	Pkg. 3	$2.50
4844.	Pipe, machined lagged, .052" OD, 3"-HO, 2-1/4"-S, 1-1/2"-O, 7/8"-1/2", 6" length	Pkg. 3	$3.00
4845.	Pipe, lagged, cast, .022" OD, 1-1/4"-HO, 7/8"-S, 5/8"-O, 1/2"-1/2", 1-1/2" long	Pkg. 3	$2.50
4846.	Pipe, lagged, cast, .032" OD, 1-3/4"-HO, 1-3/16"-S, 7/8"-O, 3/4"-1/2", 2" long	Pkg. 3	$2.50
	Pipe, machined lagged, .035" OD, 2"-HO,		

Part #	Description	Package	Price
	1-3/8"-S, 1"-O, 7/8"-1/2", 2-1/2" long.....	Pkg. 3	$2.50
4848.	Pipe, lagged, cast, .042" OD, 2-3/4"-HO, 2"-S, 1-3/8"-O, 1-1/4"-1/2", 2-1/2" long.....	Pkg. 3	$2.50
4850.	Pipe, lagged, cast, .052"OD, 3-15/16"-HO, 2-1/4"-S, 1-5/8"-O, 1-1/8"-1/2", 3-1/2" long.	Pkg. 3	$2.50
4851.	Valves, shut-off, .025" core for 3/4" air line.....	Pkg. 6	$2.50
4851.1	Valves, shut-off, .025" core for 3/4" air line, plastic.....	Pkg. 6	$1.75
4852.	Valves, shut-off, .010" core for 1/2" air line.....	Pkg. 2	$2.25
4852.1	Valves, shut-off, .010" core for 1/2" air line, plastic.....	Pkg. 2	$1.75
4853.	Valves, large drain for air tank (pl. 48120).	Pkg. 4	$2.75
4854.	Valves, small drain, for air tank (pl. 48121)	Pkg. 4	$2.50
4855.	Valves, globe, w/elbow, tee handle, on .022" pipe.....	Pkg. 3	$3.00
4856.	Lift rings, large, .080" dia. core.....	Pkg. 6	$2.50
4856.1	Lift rings, large, .080" dia. core, plastic..	Pkg. 12	$1.75
4857.	Lift rings, medium, .062" dia. core.....	Pkg. 6	$2.50
4857.1	Lift rings, medium, .062" dia. core, plastic.	Pkg. 12	$1.75
4858.	Lift rings, small, .040" dia. core.....	Pkg. 6	$2.50
4858.11	Lift rings, small, .040" dia. core, plastic..	Pkg. 12	$2.00
4858.2	Lift rings, small, .036" dia. core.....	Pkg. 6	$2.75
4858.22	**Lift rings, small, .036" dia. core, plastic..**	**Pkg. 12**	**$2.00**
4858.3	Lift rings, small, .032" dia. core.....	Pkg. 6	$2.75
4858.33	Lift rings, small, .032" dia. core, plastic..	Pkg. 12	$2.00
4858.4	Lift rings, small, .024" dia. core.....	Pkg. 6	$2.75
4858.44	Lift rings, small, .024" dia. core, plastic..	Pkg. 12	$2.00
4858.5	Lift rings, small, .020" dia. core.....	Pkg. 6	$2.75
4858.55	Lift rings, small, .020" dia. core, plastic..	Pkg. 12	$2.00
4858.6	Lift rings, small, .016" dia. core.....	Pkg. 6	$2.75
4858.66	Lift rings, small, .016" dia. core, plastic..	Pkg. 12	$2.00
4858.7	Lift rings, small, .012" dia. core.....	Pkg. 6	$2.75
4858.77	Lift rings, small, .012" dia. core, plastic..	Pkg. 12	$2.00
4858.8	Lift rings, small, .008" dia. core.....	Pkg. 6	$2.75
4858.88	Lift rings, small, .008" dia. core, plastic..	Pkg. 12	$2.00
4859.	Bracket, pipe, single, .012" dia. core, HO, O, S.....	Pkg. 6	$2.50
4860.	Bracket, pipe, single, .028" dia. core, HO, O, S.....	Pkg. 6	$2.75
4860.1	Bracket, pipe, single, .028" dia. core, plastic.....	Pkg. 12	$2.00
4861.	Valves, globe, 1-1/8" tee, for steam dome, no core.....	Pkg. 3	$2.75
4862.	Valves, globe, 4-1/2" tee, for steam dome no core.....	Pkg. 3	$2.75
4867.	Wire, straight, brass, 12" long, .2mm OD, .008" OD, HO-7/16", S-1/2", O-3/8".....	Pkg. 6	$2.50
4869.	Wire, straight, brass, 12" long, .4mm OD, .016" OD, HO-1-3/8", S-1", O-3/4", 1/2"-1/2".	Pkg. 10	$3.00
4870.	Wire, straight, brass, 12" long, .5mm OD, .020"OD, HO-1-3/16",S-1-1/4", O-1", 1/2"-3/4.	Pkg. 10	$3.00
4871.	Wire, straight, brass, 12" long, .6mm OD,		

Part #	Description	Package	Price
	.024" OD, HO-2", S-1-1/2", O-1-3/16".....	Pkg. 10	$3.00
4872	Wire, straight, brass, 12" long, .7mm OD, .028" OD, HO-2-1/2", S-1-3/4", O-1-3/8", 1/2" -5/8".....	Pkg 10	$3.00
4873	Wire, straight, brass, 12" long, .8mm OD, .032" OD, HO-2-3/4", S-2", O-1-1/2", 1/2"-3/4	Pkg 10	$3.00
4874	Wire, straight, brass, 12" long, .9mm OD, .035" OD, HO-2-5/8", S-2-1/8", O-1-5/8", 1/2"-7/8".....	Pkg 10	$3.00
4875	Wire, straight, brass, 12" long, 1.0mm OD, .040" OD, HO-3", S-2-1/2", O-2", 1/2"-1".....	Pkg 10	$3.00
4876	Wire, straight, brass, 12" long, 1.2mm OD, .045" OD, HO-3-1/2", S-3", O-2-1/4", 1/2"- 1-1/8".....	Pkg 10	$3.00
4877	Wire, half round, brass, 12" long, 1.35mm x 75mm, .056" x .031", HO-5", O-3-3/4", O- S-2-2/3".....	Pkg 6	$2.75
4878	Wire, half round, brass, 12" long, 70mm x 25 mm, .028" x .014", HO-2-3/8", O-1-3/8", S-1-3/4".....	Pkg. 6	$2.75
4879.	Clamp & bracket, pipe, .020" core.....	Pkg. 6	$2.75
4889.	Pipe w/union and .045" cored elbow.....	Pkg. 2	$2.75
4890.	Brackets, 1.0mm pipe, .040" core: HO-3-1/2", S-2", O-1-1/2".....	Pkg 6	$2.75
4890 1	Brackets, 1.0mm pipe, .040" core: HO-3-1/2", S-2", O-1-1/2", plastic.....	Pkg 12	$2.00
4891	Brackets, .9mm pipe, .036" core, HO-3-1/4", S-2", O-1-3/4".....	Pkg 6	$2.75
4891 1	Brackets, .9mm pipe, .036" core, HO-3-1/4", S-2", O-1-3/4", plastic.....	Pkg 12	$2.00
4892	Brackets, .8mm pipe, .032" core, HO-3", S-1-3/4", O-1-1/2".....	Pkg 6	$2.75
4892 1	Brackets, .8mm pipe, .032" core, HO-3", S-1-3/4", O-1-1/2", plastic.....	Pkg 12	$2.00
4893	Brackets, .6mm pipe, .024" core, HO-2-1/4", S-1-1/4", O-1-1/8".....	Pkg 6	$2.75
4893 1	Brackets, .6mm pipe, .024" core, HO-2-1/4", S-1-1/4, O-1-1/8", plastic.....	Pkg 12	$2.00
4894	Brackets, .5mm pipe, .020" core, HO-1-1/2", S-1" O-3/4".....	Pkg 6	$2.75
4894 1	Brackets, .5mm pipe, .020" core, HO-1-1/2", S-1", O-3/4", plastic.....	Pkg 12	$2.00
4895	Brackets, .4mm pipe, .016 core, HO-1-1/4", S-3/4", O-1/2".....	Pkg 6	$2.75
4895 1	Brackets, .4mm pipe, .016" core, HO-1-1/4", S-3/4", O-1/2", plastic.....	Pkg 12	$2.00
4896	Brackets, .3 mm pipe, .012" core, HO-1", S- 1/2", O-1/4".....	Pkg 6	$2.75
4896 1	Brackets, .3mm pipe, .012" core, HO-1", S- 1/2", O-1/4", plastic.....	Pkg 12	$2.00
4897	Brackets, .2mm pipe, .008" core, HO-1/2", S-1/4", O-1/4".....	Pkg 6	$2.75
4897 1	Brackets, .2mm pipe, .008" core, HO-1/2", S-1/4", O-1/4", plastic.....	Pkg 12	$2.00

Part #	Description	Package	Price
4898.	Electrical pick-up, for rod locomotives.....	Ea.	$4.55
4899.	Hinges, door, non-working, etchings.....	Pkg. 36	$3.00
4933.	"ULM" under layout mounting kit.....	Kit.	$1.50
4960.	Track gauge, code 83, Sn3.....	Ea.	$3.75
4961.	Track gauge, code 125, S.....	Ea.	$3.75
4962.	Track gauge, code 83, S.....	Ea.	$3.75
4969.	Rail joiners, special Fisher, code 40. N/S...	Pkg. 20	$3.50
4970.	Rail joiners, special Fisher, code 40, N/S...	Pkg. 40	$3.75
4971.	Tie plates, code 172, brass.....	Pkg. 100	$6.00
4972.	Tie plates, code 172, delrin.....	Pkg. 100	$2.75
4973.	Tie plates, code 40, delrin.....	Pkg. 40	$3.50
4974.	Tie plates, code 40, brass.....	Pkg. 20	$4.25
4990.	Frog, #8,code 70, 7 degree angle, N/S.....		
4991.	Frog, #10, code 70, 5 degree angle, N/S.....		
4992.	Frog, #9, code 70, 6 degree angle, N/S.....	Ea.	$2.50
4993.	Frog #12, code 70, 4 degree angle, cast N/S..	Ea.	$2.75
4994.	Switch points, code 83, N/S.....	Pr.	$2.50
4995.	Guard rail, code 83, N/S.....	Pkg. 2	$4.00
4996.			
5864.	Brakeman.....	Ea.	$2.25
5865.	Barrel (keg), wood.....	Ea.	$2.00
7007.	Springs, coil, journal.....	Pkg. 16	$2.50
8054.	Springs, coil, journal.....	Pkg. 4	$1.50
8059.	Electrical pick-up w/wiper.....	Ea.	$4.00
9738.	N Scale Catalog, complete, fully illustrated	Ea.	$2.00
9739.	HO-HOn3 Passenger/Freight Car Catalog, fully illustrated.....	Ea.	$7.95
9740.	HO-HOn3 Steam Locomotive Catalog, fully illustrated.....	Ea.	$14.25
9741.	HO-HOn3 Diesel Locomotive Catalog, fully illustrated.....	Ea.	$5.00
9742.			
9743.	S-Sn3 Catalog, complete, fully illustated....	Ea.	$3.50
9744.	O-On3 Passenger/Freight Car Catalog, fully illustrated.....	Ea.	$8.00
9745.	O-On3 Steam Locomotive Catalog, fully illustrated.....	Ea.	$16.00
9746.	O Scale Diesel Locomotive Catalog, fully illustrated.....	Ea.	$7.00
9747.			
9748.	O-HO General Use Catalog, fully illustrated, includes all imported sundry items such as: wire, bulbs, nuts, bolts, springs, gears,etc.	Ea.	$3.50
9749.	1/2" & 3/8" Catalog, complete, fully illustrated.....	Ea.	$3.00
9754.	P.S.C. Shay manual: Lima CN122, Mich. Cal.II, 13, 16 & 18-ton.....	Ea.	$8.00
9755.	On3, C-16/17 cab interior detailed drawings..	Ea.	$2.00
9756.	On3, C-18/19 cab interior detailed drawings..	Ea.	$2.00
9757.	On3, D&RGW K-37 cab interior detailed drawings.....	Ea.	$2.00
9758.	O, Big Boy cab interior detailed drawings....	Ea.	$2.00
9759.	HOn3 C-16/17 cab interiior detailed drawings.	Ea.	$2.00
9760.	HOn3 C-18/19 cab interior detailed drawings	Ea.	$2.00

Part #	Description	Package	Price
9761.	HOn3, D&RGW K-27 cab interior detailed drawings	Ea.	$2.00
9762.	HOn3, D&RGW K-28 cab interior detailed drawings	Ea.	$2.00
9763.	On3, D&RGW K-36 cab interior detailed drawings	Ea.	$2.00
9764.	HOn3, D&RGW K-37 cab interior detailed drawings	Ea.	$2.00
9765.	HOn3, D&RGW C-21 cab interior detailed drawings	Ea.	$2.00
9766.	HOn3, D&RGW C-25 cab interior detailed drawings	Ea.	$2.00
9767.	O,D&RGW C-21 cab interior detailed drawings	Ea.	$2.00
9768.	O, D&RGW C-25 cab interior detailed drawings.	Ea.	$2.00
9769.	Climax Manual, PSC	Ea.	$4.50
9770.	Wabash Mogul Manual	Ea.	$4.00
9771.	D&RGW C-16 Manual	Ea.	$4.00
9772.	37-42 ton Shay Manual	Ea.	$6.00
9773.	13-ton Shay manual, On3	Ea.	$5.00
9775.	D&RGW K-28 cab interior drawings, On3	Ea.	$1.50
9776.	D&RGW K-27 cab interior drawings, On3	Ea.	$1.50
9779.	"All Scales" Modeler newsletter (Canada $18.00-Foreign $24.00)	Ea.	$16.00
9783.	D&RGW K-36 cab interior drawings, HOn3	Ea.	$1.50
9784.	Styrene Fabrication Book	Ea.	$4.50
9785.	Plan Book, Railroad Structures	Ea.	$3.25
9786.	Plan Book, Buildings of the Old West #1	Ea.	$3.25
9787.	Plan Book, Buildings of the Old West #2	Ea.	$3.25
9788.	Plan Book, Buildings of the Old West #3	Ea.	$3.25
9789.	Plan Book, J.S. Cain Residence	Ea.	$4.50
9790.	Plan Book, Sacramento Dwellings	Ea.	$3.25
9791.	Plan Book, Brick Dwellings	Ea.	$3.25
9792.	Plan Book, Churches	Ea.	$3.00
9793.	Plan Book, Donkey Engines	Ea.	$3.95
9794.	Plan Book, Logging Cars	Ea.	$3.00
9795.	Plan Book, Heisler Locomotives	Ea.	$5.25
9796.	Plan Book, Shay Locomotives	Ea.	$5.25
9797.	Plan Book, Climax Locomotives	Ea.	$6.00
9798.	Plan Book, Heavy Motor Trucks	Ea.	$5.75
9799.	Plan Book, Wagons	Ea.	$6.00
19001.	Cans, oil, w/long spouts	Pr.	$2.50
19002.	Cylinder w/actuator lever, flanger, D&RGW K-series	Ea.	$4.50
19003.	Boxes, junction: 2 sizes of each tee, connector & end types	Pkg. 12	$3.50
19004.	Valves, distributing, Westinghouse #6	Ea.	$3.25
19005.	Bracket, back-up light, K-36/37 tender	Ea.	$2.50
19006.	Light, back-up, small, Pyle National D&RGW	Ea.	$2.75
19007.	Valve, axuiliary turret, w/shut-off	Ea.	$2.25
19008.	Valve, auxilary (NOT AVAILABLE -- DELETED)		
19009.	Link, radius, K-36/37	Pr.	$3.75
19010.	Link, eccentric, N/S, K-36/37	Pr.	$3.00
19011.	Valve, retainer (NOT AVAILABLE -- DELETED)		
19012.	Counterweights, K-28	Pkg. 8	$6.50

Part #	Description	Package	Price
19013.	Headlight w/visor, Pyle National 18" incandescent	Ea.	$3.00
19014.	Stack, bear trap w/Ridgeway spark arrestor	Ea.	$4.00
19015.	Axe	Pr.	$2.25
19016.	Shovel	Pr.	$2.25
19017.	Shovel, coal	Pr.	$2.25
19018.	Pick	Pr.	$2.25
19019.	Pick, double bitted	Pr.	$2.25
19020.	Truck, lead, less wheels, K-27	Ea.	$3.75
19021.	Ends, cylinder, K-series	Pr.	$2.50
19022.	Guides, piston valve, K-27	Pr.	$3.75
19023.	Plate, pilot deck, K-27	Ea.	$4.75
19024.	Lubricator, box type gravity feed for cylinder, K-27	Ea.	$2.50
19025.	Box, tool, pilot mount, D&RGW	Ea.	$2.50
19026.	Bracket, headlight, K-27	Ea.	$2.50
19027.	Sanders, K-27	Pr.	$2.25
19028.	Reservoir w/valves, air	Ea.	$2.50
19029.	Valves, cylinder relief, K-27	Pr.	$2.25
19030.	Strainer (air) w/plumbing, large Westinghouse cross compound pump	Ea.	$2.50
19031.	Spacer, rear frame w/end beam K-27	Ea.	$3.50
19032.	Grate shaker, K-27	Ea.	$2.50
19033.	Cylinder & lever, D&RGW locomotive brake, R&L	Pr.	$3.00
19034.	Extensions, rear frame, K-27, R&L	Pr.	$7.00
19035.	Journals, K-27 trailing truck	Pr.	$2.50
19036.	Housing, journal K-27 trailing truck	Pr.	$2.50
19037.	Slack adjustor, K-27 brake system	Ea.	$3.00
19038.	Tray, oil can, backhead	Ea.	$2.00
19039.	Box, locomotive fuse	Pkg. 2	$2.75
19040.	Seats, box type, K-27	Pr.	$2.75
19041.	Whistle, side mount, K-27	Ea.	$2.75
19042.	Arm rests, cab	Pr.	$2.50
19043.	Flanger for lead truck, K-27/28	Ea.	$3.25
19044.	Hatch, water, working, K-27	Ea.	$4.00
19045.	Link, reverse, K-27	Pr.	$3.50
19046.	Coupler pocket, K-27 tender	Ea.	$2.75
19047.	Sideframes, K-27 tender truck	2 Pr.	$10.50
19048.	Beams w/shoes, inside hung brake, K-27 tender	Pkg. 4	$3.75
19049.	Bolsters, truck, K-27 tender	Pr.	$2.75
19050.	Stove w/pipe, caboose	Ea.	$4.00
19051.	Pan, frying	Pr.	$2.25
19052.	Pot, coffee	Pr.	$2.25
19053.	Lamps, kerosene	Pr.	$2.25
19054.	Headlight, early arc type	Ea.	$3.25
19055.	Bar, flanger lift, K-37	Ea.	$3.25
19056.	Beam, front end K-27 tender	Ea.	$4.25
19057.	Hooks, rerail frogs, D&RGW tender	Pkg. 4	$2.50
19060.	Stove w/vent pipe	Ea.	$4.00
19061.	Cab detailing kit w/instructions, K-27 #465	Ea.	$56.00
19062.	Plate, rectangular number, D&RGW	Ea.	$2.25
19063.	Plate, number, round, D&RGW	Ea.	$2.25
19064.	Valves, boiler check, D&RGW C-class	Pr.	$2.25

Part #	Description	Package	Price
19065.	Valves, sander, D&RGW C-class	Pr.	$2.25
19066.	Bracket, headlight, D&RGW C-class	Ea.	$3.25
19067.	Marker lamps & bases, Handlan type, D&RGW	Pr.	$3.25
19070.	Valves, unmuffled pop	Pr.	$2.25
19071.	Whistle, top mount, down lever	Ea.	$2.25
19072.	Sideframes, coil spring, C-19 tender truck	2 Pr.	$11.00
19073.	Cylinder, engine, brake, D&RGW C-class	Pr.	$3.00
19074.	Truck, lead, D&RGW C-class kit	Ea.	$4.00
19075.	Blade, flanger, D&RGW C-class	Ea.	$3.25
19076.	Lift, RGS flanger #40	Ea.	$3.00
19080.	Sideframes, D&RGW C-class tender truck	Pkg. 4	$10.00
19081.	Bolster, D&RGW C-class tender truck	Pr.	$3.00
19082.	Turret, D&RGW K-28	Ea.	$3.25
19083.	Check, top mount, D&RGW K-28/36	Ea.	$2.25
19084.	Valve, sander, for sand dome K-28/36	Ea.	$2.25
19085.	Reservoir w/triple valve, equalizing air, D&RGW C-19 tender	Ea.	$3.00
19086.	Box, tool, RGS tender	Ea.	$3.50
19087.	Coupler pocket, D&RGW (fits Kadee coupler)	Ea.	$2.50
19088.	Hatch, water, tender, D&RGW C-19	Ea.	$3.75
19089.	Power reverse, D&RGW K-28	Ea.	$4.00
19090.	Dirt collector, centrifugal w/plumbing, K-27.	Ea.	$2.25
19091.	Assist, power reverse, D&RGW	Ea.	$2.50
19092.	Throttle, backhead, D&RGW K-27/36	Ea.	$3.00
19093.	Frames, main, D&RGW C-16, R&L	Pr.	$16.50
19094.	Frames, main, D&RGW C-16, R&L	Pr.	$7.00
19095.	Bolt detail, two sizes, end beams for freight car/caboose	Pkg. 8	$4.00
19096.	Injector & funnel, Hancock non-lifting, for D&RGW K-28/36	Ea.	$3.25
19097.	Valve, safety, tank car dome, angle mount, Texaco	Ea.	$2.00
19098.	Brake wheel, 5-spoke, D&RGW	Pkg. 2	$2.25
19099.	Brake wheel, 5-spoke, D&RGW, plastic	Pkg. 2	$1.75
19100.	Air hose, narrow gauge	Pkg. 6	$2.00
19101.	Air hose, narrow gauge, plastic	Pkg.6	$1.75
19102.	Sideframes, Archbar truck, 4'-8" WB	Pkg.4	$9.00
19103.	Bracket, brake wheel, used on Gramps & Conoco	Ea.	$2.00
19104.	Drain, tank car	Ea.	$2.00
19105.	Valve, dome vent safety, for Gramps & Conex tank cars	Pkg. 2	$2.25
19106.	Pockets, poling, tank car	Pkg. 4	$2.25
19107.	Hatch, tank car, used on Texaco cars	Pkg. 2	$2.50
19108.	Trucks, Carter Bros., Westside caboose, includes sideframes, bolster & brake shoes, kit	Pr.	$11.75
19109.	Beam, end frame, D&RGW long caboose	Pr.	$3.25
19110.	Stack, smoke, D&RGW caboose	Pr.	$2.50
19111.	Sideframes, Commonwealth passenger car truck, 4-wheel, bottom equalizer type	4 Pcs.	$13.00
19112.	Sideframes, Commonwealth passenger car truck, plastic	4 Pcs.	$5.00
19113.	Steps, D&RGW caboose	Pkg. 4	$2.75
19114.	Bar, cutting, D&RGW caboose	Pkg. 2	$2.25

Part #	Description	Package	Price
19115.	Wheel sets, 26" Griffin Denver, Sn3.....	Pkg. 4	$4.75
19116.	Retainer, Wabco brake, freight cars.....	Pkg.4	$2.50
19117.	Retainer, Wabco brake, freight cars, plastic.	Pkg.4	$2.25
19118.	Truck kit w/wheels, Gramps tank car.....	Pr.	$13.00
19119.	Truck kit w/wheels, UTLX tank car.....	Pr.	$13.00
19120.	Trucks kit, passenger car, 5'-0"WB, 26" wheels, brass.....	Pr.	$20.00
19120.1	Trucks, passenger car "San Juan", 5'-0" WB, 26" wheels, Sn3, assembled brass.....	Pr.	$28.25
19121.	Turnbuckles, Sn3.....	Pkg. 8	$3.75
19122.	Turnbuckles, Sn3, plastic.....	Pkg. 26	$2.75
19123.	Truck kit w/wheels, PC&F disconnected.....	Pr.	$23.00
19124.	Truck kit, same as above, less wheels.....	Pr.	$21.00
19125.	Switchstand, Harp, working, D&RGW/RGS.....	Ea.	$3.25
19126.	Headlight, box, early slant front, D&RGW.....	Ea.	$2.75
19127.	Box, tool, passenger car/outfit car, D&RGW/ RGS.....	Ea.	$2.25
19128.	Box, tool, long, D&RGW/RGS C-16.....	Ea.	$2.50
19129.	Bracket, headlight, D&RGW C-16 #268.....	Ea.	$2.50
19130.	Cylinder, flanger, D&RGWC-16 #268.....	Ea.	$3.00
19131.	Box, tool, roof mounted, D&RGW C-16 #271.....	Ea.	$2.50
19132.	Pilot w/foot board, D&RGW C-16 #271 switcher.	Ea.	$4.50
19133.	Marker lamps, hollow, C&S locomotive, R&L....	Pr.	$3.25
19134.	Whistle, C&S stubby.....	Ea.	$2.25
19135.	Switchstand, Harp, working, South Park style.	Ea.	$3.25
19136.	Stack w/screen, diamond, D&RGW & others.....	Ea.	$4.25
19137.	Stack w/screen, high-top diamond, D&RGW & others.....	Ea.	$4.25
19138.	Bracket, headlight, fancy, Baldwin.....	Ea.	$3.80
19139.	Pilot, "wood" slat, Baldwin.....	Ea.	$4.25
19140.	Boiler front, 42" Baldwin.....	Ea.	$3.50
19141.	Backhead, Baldwin, for wagon top boiler.....	Ea.	$4.50
19142.	Support & steps, cab, Baldwin.....	3 Pcs.	$3.25
19143.	Sideframes, lead truck, Baldwin 4-4-0.....	Pr.	$4.00
19144.	Trucks, Archbar, swing-motion, w/wheels and brake beams, Sn3, kit.....	Pr.	$14.00
19145.	Trucks, Archbar tender swing-motion, less wheels, kit.....	Pr.	$12.00
19146.	Beams, brake, wood, 36" gauge.....	4 Pcs.	$4.00
19147.	Trucks, Baldwin, w/wheels, C&C, SP, NCNG #8 and other tenders, Sn3, kit.....	Pr.	$14.00
19148.	Trucks, Baldwin, no/wheels, C&C, SP, NCNG #8 and other tenders, Sn3, kit.....	Pr.	$12.00
19149.	Trucks, Baldwin, (NOT AVAILALE -- DELETED)		
19150.	Trucks, Baldwin, no wheels, kit.....	Pr.	$12.50
19151.	Beam, front end, Lima Shay 36-42 ton.....	Ea.	$4.50
19152.	Beam, rear end, Lima Shay, 36-42 ton.....	Ea.	$4.50
19153.	Dome, steam, Lima Shay, 36-42 ton.....	Ea.	$3.75
19154.	Dome, sand, Lima Shay, 36-42 ton.....	Ea.	$3.75
19155.	Steps, cab, Lima Shay, 36-42 ton.....	Pr.	$3.00
19156.	Stack, wood burning, Lima Shay, 36-42 ton....	Ea.	$3.50
19157.	Marker lamps, Dressel locomotive.....	Pr.	$3.25
19158.	Marker lamps, caboose/tender, R&L.....	Pr.	$3.25
19159.	Marker lamps, 4-lense.....	Pr.	$3.25

Part #	Description	Package	Price
19160.	Headlight, 16", Lima style	Ea.	$3.25
19161.	Headlight w/viser, 14" Pyle National, with winged number board	Ea.	$3.25
19162.	Hatch, oil filler, 24"	Ea.	$2.75
19163.	Stack, cabbage for Shays and others	Ea.	$3.75
19164.	Steps, caboose, Westside style	Pkg. 4	$3.50
19165.	Coupler pocket, 3-level, for Shays and others	Pr.	$2.75
19166.	Journal and pedestal for disconnect trucks...	Pkg. 8	$4.00
19167.	Beam, wood, for disconnect truck brakes & others	Pkg. 4	$3.75
19168.	Beam, C&S pilot, with pocket, for snow plows.	Ea.	$4.00
19169.	Wheel sets, 26", insulated one side, pointed axle, Sn3	Pkg. 8	$9.50
19170.	Bell, turning, working, top mount (use #1982 yoke)	Ea.	$3.00
31015.	Flexible armored air hose, .045"OD, .020"ID, 8" long	Ea.	$2.25
31040.	Tank, air, 16" dia., convex, welded, flush ends w/drain valve & brass tubing (pl. 32077)	Kit.	$4.50
31041.	Tank, air, 20" dia., convex, welded, flush ends w/drain valve & brass tubing (pl. 32078)	Kit.	$4.50
31042.	Tank, air, 24" dia., convex, welded, flush ends w/drain valve & brass tubing (pl. 32079)	Kit.	$4.50
31043.	Tank, air, 16" dia., convex, riveted, flush ends w/drain valve & brass tubing (pl. 32080)	Kit.	$4.50
31044.	Tank, air, 20" dia., convex, riveted, flush ends w/drain valve & brass tubing (pl. 32081)	Kit.	$4.50
31045.	Tank, air, 24" dia., convex, riveted, flush ends w/drain valve & brass tubing (pl. 32082)	Kit.	$4.50
31046.	Tank, air, 14" dia., convex, welded, recessed ends w/drain valve & brass tubing (pl. 32083)	Kit.	$4.50
31047.	Tank, air, 16" dia., convex, welded, recessed ends w/drain valve & brass tubing (pl. 32084)	Kit.	$4.50
31048.	Tank, air, 20" dia., convex, welded, recessed ends w/drain valve & brass tubing (pl. 32085)	Kit.	$4.50
31049.	Tank, air, 24" dia., convex, welded, recessed ends w/drain valve & brass tubing (pl. 32086)	Kit.	$4.50
31050.	Tank, air, 16" dia., concave, welded, recessed ends w/drain valve & brass tubing (pl. 32087)	Kit.	$4.50
31051.	Tank, air, 20" dia., concave, welded, recessed ends w/drain valve & brass tubing (pl. 32088)	Kit.	$4.50
31052.	Tank, air, 24" dia., concave, welded, recessed ends w/drain valve & brass tubing (pl. 32089)	Kit.	$4.50
31053.	Tank, air, 16" dia., flat, riveted, recessed ends w/drain valve & brass tubing (pl. 32090)	Kit.	$4.50
31054.	Tank, air, 20" dia., flat, riveted, recessed ends w/drain valve & brass tubing (pl. 32091)	Kit.	$4.50
31055.	Tank, air, 24" dia., flat, riveted, recessed ends w/drain valve & brass tubing (pl. 32092)	Kit.	$4.50
31056.	Tank, air, 16" dia., flat, welded, recessed ends w/drain valve & brass tubing (pl. 32093)	Kit.	$4.50

Part #	Description	Package	Price
31057.	Tank, air, 20" dia., flat, welded, recessed ends w/drain valve & brass tubing (pl. 32094)	Kit.	$4.50
31058.	Tank, air, 24" dia., flat, welded, recessed ends w/drain valve & brass tubing (pl. 32095)	Kit.	$4.50
31059.	Tank, air, 24" dia., concave, welded, 2 rec. ends, 2 pipe connections on 1 end only, drain valve & brass tubing (pl. 32096).....	Kit.	$4.50
31060.	Tank, air, 24" dia., flat, welded, 2 rec. end s, 2 pipe connections on 1 end only, drain valve & brass tubing (pl. 32097.....	Kit.	$4.50
31061.	Tank, air, 14" dia., convex, riveted 2 re-cessed ends w/drain valve & brass tubing (pl. 32098).....	Kit.	$4.50
31347.	Plates, round number, #1 to #5 (pl. 31695)...	Pkg. 5	$2.00
31348.	Plates, round number, #6 to #10 + blank (pl. 31696).....	Pkg. 6	$2.00
31349.	Plates, round number, #11 to #15 (pl. 31697).	Pkg. 5	$2.00
31350.	Plates, round number, #16 to #20 + blank (pl. 31698).....	Pkg. 6	$2.00
31351.	Plates, round number, #21 to #25 (pl. 31699).	Pkg. 5	$2.00
31352.	Plates, round number, #26 to #30 + blank, (pl. 31700).....	Pkg. 6	$2.00
31353.	Plates, round number, #31 to #35 (pl. 31701).	Pkg. 5	$2.00
31354.	Plates, round number, #36 to #40 + blank, (pl. 31702).....	Pkg. 6	$2.00
31355.	Plates, rectangular number, 497, 41, 483, 22, 478, 15 (pl. 31715).....	Pkg. 6	$2.50
31356.	Plates, rectangular number, 461, 13, 455, 3, 361, 268 (pl. 31716).....	Pkg. 6	$2.50
31357.	Plates, round number, 74, 40, 36, 21, 14, 1, (pl. 31717).....	Pkg. 6	$2.50
31358.	Plates, round number, 341, 267, 107, 168, 153, 100 (pl. 31718).....	Pkg. 6	$2.75
31441.	Springs, coil, for trucks & draft gear.....	Pkg. 12	$2.00
31695.	Plates, round number, #1 to #5, plastic (br. 31347).....	Pkg. 5	$1.75
31696.	Plates, round number, #6 to #10 + blank, plastic (br. 31348).....	Pkg. 6	$1.75
31697.	Plates, round number, #11 to #15, plastic (br. 31349).....	Pkg. 5	$1.75
31698.	Plates, round number, #16 to #20 + blank, plastic (br. 31350).....	Pkg. 6	$1.75
31699.	Plates, round number, #21 to #25, plastic (br. 31351).....	Pkg. 5	$1.75
31700.	Plates, round number, #26 to #30 + blank, plastic (br. 31352).....	Pkg. 6	$1.75
31701.	Plates, round number, #31 to #35, plastic (br. 31353).....	Pkg. 5	$1.75
31702.	Plates, round number, #36 to #40 + blank, plastic (br. 31354).....	Pkg. 6	$1.75
31715.	Plates, rectangular number, #497, 41, 483, 22, 478, 15, plastic (br. 31355).....	Pkg. 6	$2.00
31716.	Plates, rectangular number, #461, 13, 455, 3, 361, 268, plastic (br. 31356).....	Pkg. 6	$2.00

Part #	Description	Package	Price
31717.	Plates, round number, #74, 40, 36, 21, 14, 1, plastic (br. 31357)	Pkg. 6	$2.00
31718.	Plates, round number, #341, 267, 107, 168, 153, 100, plastic (br. 31358)	Pkg. 6	$2.00
31747.	Boxes, junction, rectangular tee, w/.012" core, plastic (br. 3319)	Pkg. 18	$2.25
31748.	Boxes, junction, terminal w/.012" core, plastic (br. 3320)	Pkg. 18	$2.25
31751.	Box, junction, round, right angle w/.012" core, plastic (br. 3317)	Pkg. 18	$2.25
31752.	Box, junction, round tee w/.012" core, plastic (br. 3318)	Pkg. 18	$2.25
32078.	Tank, air, 20" dia. all plastic, convex, welded, flush ends w/drain valve (br. 32041).	Kit.	$3.75
32079.	Tank, air, 24" dia. all plastic, convex, welded, flush ends w/drain valve (br. 31042).	Kit.	$3.75
32080.	Tank, air, 16" dia. all plastic, convex, riveted, flush ends w/drain valve (br. 31043)	Kit.	$3.75
32081.	Tank, air, 20" dia. all plastic, convex, riveted, flush ends w/drain valve (br. 31044)	Kit.	$3.75
32082.	Tank, air, 24" dia. all plastic, convex, riveted, flush ends w/drain valve (br. 31045)	Kit.	$3.75
32083.	Tank, air, 14" dia. all plastic, convex, welded, recessed ends w/drain valve (br. 31046)	Kit.	$3.75
32084.	Tank, air, 16" dia. all plastic, convex, welded, recessed ends w/drain valve (br. 31047)	Kit.	$3.75
32085.	Tank, air, 20" dia. all plastic, convex, welded, recessed ends w/drain valve (br. 31048)	Kit.	$3.75
32086.	Tank, air, 24" dia. all plastic, convex, welded, recessed ends w/drain valve (br. 31049)	Kit.	$3.75
32087.	Tank, air, 16" dia. all plastic, concave, welded, recessed ends w/drain valve (br. 31050)	Kit.	$3.75
32088.	Tank, air, 20" dia. all plastic, concave, welded, recessed ends w/drain valve (br. 31051)	Kit.	$3.75
32089.	Tank, air, 24" dia. all plastic, concave, welded, recessed ends w/drain valve (br. 31052)	Kit.	$3.75
32090.	Tank, air, 16" dia. all plastic, flat, riveted, recessed ends w/drain valve (br. 31053)	Kit.	$3.75
32091.	Tank, air, 20" dia. all plastic, flat, riveted, recessed ends w/drain valve (br. 31054)	Kit.	$3.75
32092.	Tank, air, 24" dia. all plastic, flat, riveted, recessed ends w/drain valve (br. 31055)	Kit.	$3.75
32093.	Tank, air, 16" dia. all plastic, flat, welded, recessed ends w/drain valve (br.		

Part #	Description	Package	Price
	31056).....	Kit.	$3.75
32094.	Tank, air, 20" dia. all plastic, flat, welded, recessed ends w/drain valve (br. 31057).....	Kit.	$3.75
32095.	Tank, air, 24" dia. all plastic, flat, welded, recessed ends w/drain valve (br. 31058).....	Kit.	$3.75
32096.	Tank, air, 24" dia. all plastic, concave, welded, 2 recessed ends, 2 pipe connection, 1 end (br. 31059).....	Kit.	$3.75
32097.	Tank, air, 24" dia. all plastic, flat, welded, 2 recessed ends, 2 pipe connection, 1 end (br. 31060).....	Kit.	$3.75
32098.	Air tank, all plastic, 14" dia., concave, riveted, 2 recessed ends w/drain valve (br. 31061).....	Kit.	$3.75
40173.	Hangers, chain.....	Pkg. 4	$2.50
48100.	Packing gland, steam, double-flange, bolted, round, cored .028" (0.7mm).....	Pkg. 6	$3.00
48101.	Packing gland, steam, round, double-flange, bolted, .040" core (1.0mm).....	Pkg. 6	$3.00
48102.	Packing gland, steam, round, double-flange, bolted, .060" core (1.5mm).....	Pkg. 6	$3.00
48104.	Ends, large cooling coil, .028" core.....	Pkg. 6	$2.50
48105.	Ends, small cooling coil, .020" core.....	Pkg. 6	$2.50
48116.	Wire, half-round, .066" x .032", (85mm x 77mm).....	Pkg. 6	$2.25
48117.	Screen, brass, #60 wire, 4" x 6", mesh .0065" x .0065".....	Ea.	$5.75
48118.	Screen, brass, #80 wire, 4" x 6", mesh .0055" x .0055".....	Ea.	$5.75
48119.	Screen,brass, #100 wire, 4" x 6", mesh .0045" x .0045".....	Ea.	$5.75
48120.	Valves, drain, large, for air tank, plastic (br. 4853).....	Pkg. 6	$2.00
48121.	Valves, drain, small, for air tank, plastic (br. 4854).....	Pkg. 6	$2.00
48124.	Pipe, machined lagged, .025" dia. x 5" long..	Pkg. 3	$3.00
48125.	Bracket, single pipe, .045" core.....	Pkg. 4	$2.50
48126.	Pipe tee, .30" core.....	Pkg. 4	$2.00
48169.	Pipe tee, .015" core.....	Pkg. 2	$1.75
48170.	Pipe tee on pipe, .015" dimple.....	Pkg. 2	$2.00
48171.	Pipe tee, .018" core.....	Pkg. 2	$2.00
48172.	Pipe tee, .040" core.....	Pkg. 2	$2.00
48173.	Queenposts, small.....	Pkg. 8	$2.00
48174.	Queenposts, medium.....	Pkg. 8	$2.00
48175.	Queenposts, large.....	Pkg. 8	$2.50
48176.	Valves, globe, medium.....	Pkg. 3	$2.50
48177.	Valves, globe, small.....	Pkg. 3	$2.50
48178.	Valves, globe, small "el".....	Pkg. 3	$2.50
48179.	Brush set, equal tension.....	Set.	$1.75
48180.	Unions for .050" wire (pl.48437).....	Pkg. 12	$3.25
48181.	Unions for .040" wire (pl.48438).....	Pkg. 12	$3.25
48182.	Unions for .028" wire (pl.48439).....	Pkg. 12	$3.25

Part #	Description	Package	Price
48183.	Unions for .020" wire	Pkg. 12	$3.00
48184.	Unions for .015" wire	Pkg. 12	$3.00
48185.	Fittings, steam, small, 2 angle, 4 straight	Pkg. 6	$2.75
48186.	Draw bar, large, delrin	Pkg. 3	$2.25
48187.	Draw bar, medium, delrin	Pkg. 3	$2.25
48188.	Draw bar, small, delrin	Pkg. 3	$2.25
48189.	Draw bar, delrin, smallest	Pkg. 3	$2.25
48190.	Wrench, hex, 3/32"	Ea.	$2.00
48191.	Wrench, hex, 5/64"	Ea.	$2.00
48193.	Valves, "X" type	Pkg. 3	$2.75
48194.	Chain, 10 links per inch, 10", brass	Ea.	$2.75
48195.	Elbows, pipe	Pkg. 12	$2.75
48196.	Pipe tee	Pkg. 12	$2.75
48197.	Valves, globe, cored	Pkg. 3	$3.00
48201.	Plugs, wash-out, standard, .080" hole (pl. 48273)	Pkg. 6	$2.50
48202.	Plugs, wash-out, wide flange, .080" hole	Pkg. 6	$2.50
48203.	Pipe, air, w/valve	Ea.	$2.25
48204.	Cover, gear box w/3/32" axle hole	Ea.	$3.30
48206.	Hooks (3) with 4" small chain	Set.	$3.50
48207.	Hooks (3) & 4" large chain	Set.	$3.50
48208.	Hooks, large	Pkg. 4	$2.50
48209.	Hooks, small	Pkg. 4	$2.25
48210.	Valves, globe, small	Pkg. 3	$2.50
48213.	Plugs, wash-out, w/flange, small, .060" hole (pl. 48274)	Pkg. 6	$2.50
48214.	Plugs, wash-out, less flange, small, .060" hole (pl. 48275)	Pkg. 6	$2.50
48216.	Nut-bolt-washer, square .040"	Pkg. 18	$2.50
48217.	Nut-bolt-washer, square .040" plastic	Pkg. 48	$2.50
48218.	Nut-bolt-washer, square .030"	Pkg. 18	$2.50
48219.	Nut-bolt-washer, square .030", plastic	Pkg. 48	$2.50
48220.	Nut-bolt-washer, square .025"	Pkg. 18	$2.75
48221.	Nut-bolt-washer, square .025 plastic	Pkg. 48	$2.75
48222.	Nut-bolt-washer, hex .040"	Pkg. 18	$2.75
48223.	Nut-bolt-washer, hex .040" plastic	Pkg. 48	$2.75
48224.	Nut-bolt-washer, hex .030"	Pkg. 18	$2.75
48225.	Nut-bolt-washer, hex .030" plastic	Pkg. 48	$2.75
48226.	Nut-bolt-washer, hex .025"	Pkg. 18	$2.75
48227.	Nut-bolt-washer, hex .025" plastic	Pkg. 48	$2.75
48228.	Nut-bolt-washer, square .045"	Pkg. 12	$2.75
48229.	Nut-bolt-washer, square .045" plastic	Pkg. 36	$2.75
48230.	Nut, bolt, washer, assorted, .035" square, .035" hex	Pkg. 12	$2.75
48231.	Nut, bolt, washer, assorted, .035" square, .035" hex, plastic	Pkg. 48	$2.75
48232.	Nut, bolt, washer, assorted, .030" square, .030" hex	Pkg. 12	$2.75
48233.	Nut, bolt, washer, assorted, .030" square, .030" hex, plastic	Pkg. 48	$2.50
48234.	Turnbuckles, HO	Pkg. 8	$2.25
48235.	Turnbuckles, HO, plastic	Pkg. 16	$1.75
48236.	Bushings (plastic insulators), .115"OD, .055" ID, .165 flange	Pkg. 12	$1.75

Part #	Description	Package	Price
48237.	Chain, 26 links per inch, 10", brass.....	Ea.	$2.75
48238.	Unions for .015" wire, cast, (pl.48430).....	Pkg. 12	$2.75
48239.	Unions for .020" wire, cast, (pl.48431).....	Pkg. 12	$2.75
48240.	Unions for .025" wire, cast, (pl.48432).....	Pkg. 12	$2.75
48241.	Unions for .030" wire. cast. (pl.48433).....	Pkg. 12	$2.75
48242.	Unions for .040" wire, cast, (pl.48434).....	Pkg. 12	$2.75
48243.	Springs, coil, for trolley pole.....	Pkg. 12	$2.75
48244.	Flexible armored hose, ..120" OD, .088" ID, 1-1/4" length.....	Ea.	$2.00
48245.	Planking w/wood grain, negative, etched,.020" x 5" x 7".....	Ea.	$14.75
48246.	Planking, not grained, negative, etched,.020" x 5" x 7".....	Ea.	$14.75
48247.	Planking, no grain, positive, etched, .020" x 5" x 7".....	Ea.	$14.75
48248.	Planking w/wood grain, positive, etched, .020" x 5" x 7".....	Ea.	$14.75
48249.	Planking w/wood grain, positive, etched, .020" x 5" x 7".....	Ea.	$14.75
48250.	Planking w/wood grain, negative, etched, .020" x 5" x 7".....	Ea.	$14.75
48251.	Safety tread, raised diamond, .025"x5"x7"....	Ea.	$14.75
48252.	Safety tread, raised grid, .025"x5"x7".....	Ea.	$14.75
48253.	Safety tread, raised diamond, .025"x5"x7"....	Ea.	$14.75
48254.	Safety tread, raised grid, .025"x5"x7".....	Ea.	$14.75
48255.	Safety tread, raised diamond, .020"x5"x7"....	Ea.	$14.75
48256.	Safety tread, raised diamond, .020"x5"x7"....	Ea.	$14.75
48257.	Safety tread, raised grid, .020"x5"x7".....	Ea.	$14.75
48258.	Safety tread, raised diamond, .020"x5"x7"....	Ea.	$14.75
48259.	Safety tread, raised grid, .020"x5"x7".....	Ea.	$14.75
48260.	Safety tread, raised diamond, .012"x5"x7"....	Ea.	$14.75
48262.	Screen,brass, #70 wire, .007" x .007", 4"x 6"	Ea.	$5.75
48263.	Nuts & bolts, assorted, 4 sizes, plastic (br. 48346).....	Pkg. 48	$2.00
48267.	Cocks, drain (pl. 48471).....	Pkg. 12	$3.50
48268.	Brackets, pipe, HO.....	Pkg. 14	$3.50
48269.	Brackets, pipe, HO, (pl. 48286).....	Pkg. 14	$3.50
48270.	Stanchion, off-set handrail, 10 short, 4 long.....	Pkg. 14	$3.75
48271.	Draw bars, small, medium, large, delrin.....	3 Pcs.	$2.25
48273.	Plugs, wash-out, standard, .080"hole, plastic (br. 48201).....	Pkg. 12	$2.25
48274.	Plugs, wash-out w/flange, .060" hole, plastic (br. 48213)	Pkg. 12	$2.25
48275.	Plugs, wash-out, less flange, .060 hole, plastic (br. 48214).....	Pkg. 12	$2.25
48276.	Lift rings, for .018" wire.....	Pkg. 12	$2.25
48276.1	Lift rings, for .018" wire, plastic.....	Pkg. 12	$1.75
48277.	Lift rings, for .020" wire.....	Pkg. 12	$2.25
48277.1	Lift rings, for .020" wire, plastic.....	Pkg. 12	$1.75
48278.	Lift rings, for .030" wire.....	Pkg. 12	$2.25
48278.1	Lift rings, for .030" wire, plastic.....	Pkg. 12	$1.75
48279.	Lift rings, for .040" wire.....	Pkg. 12	$2.25
48279.1	Lift rings, for .040" wire, plastic.....	Pkg. 12	$1.75

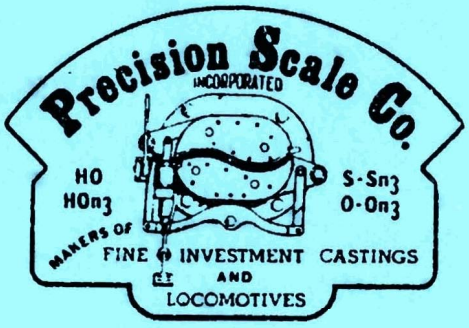
Part #	Description	Package	Price
48283.	Worm, 13:1, short	Ea.	$1.75
48284.	Worm, 13:1, long	Ea.	$1.75
48285.	Worm gear, 13:1	Ea.	$2.00
48286.	Bracket, pipe, HO, plastic, (br. 48269)	Pkg. 14	$1.75
48287.	Chain, safety, long, .015" dia., .080" long, 16 links per inch, 10"	Ea.	$2.75
48288.	Soldering lug	Pkg. 12	$1.75
48289.	Jewels, red, small, 1.3mm, .053	Pkg. 12	$2.50
48290.	Jewels, green, small, 1.3mm, .053	Pkg. 12	$2.50
48291.	Jewels, clear, small, 1.3mm, .053	Pkg. 12	$2.50
48292.	Jewels, amber, small, 1.3mm, .053	Pkg. 12	$2.50
48293.	Jewels, blue, small, 1.9mm, .081	Pkg. 12	$2.50
48294.	Bulb, grain of wheat, clear, 18-volt	Pr.	$2.25
48295.	Bulb, grain of wheat, amber, 18-volt	Pr.	$2.25
48296.	Bulb, grain of wheat, red, 6-volt	Pr.	$2.25
48297.	Bulb, grain of wheat, red, 2.5-volt	Pr.	$2.25
48298.	Bulb, grain of wheat, green, 6-volt	Pr.	$2.25
48300.	Bulb, screw base, small, amber, 12-volt	Pr.	$2.25
48301.	Bulb, screw base, small, green, 12-volt	Pr.	$2.25
48302.	Bulb, screw base, small, red, 8-volt	Pr.	$2.25
48303.	Bulb, brass base, clear, 12-volt	Pr.	$2.25
48304.	Bulb, brass base, amber, 12-volt	Pr.	$2.25
48305.	Bulb, brass base, green, 12-volt	Pr.	$2.25
48306.	Bulb, brass base, red, 12-volt	Pr.	$2.25
48307.	Bulb, 12-volt, in special metal case for caboose, etc	Ea.	$3.00
48308.	Bulb, tubular clip-in, amber, 12-volt	Ea.	$2.25
48309.	Bulb, tubular clip-in, green, 12-volt	Ea.	$2.25
48310.	Bulb, tubular clip-in, blue, 12-volt	Ea.	$2.25
48311.	Bulb, tubular clip-in, red, 12-volt	Ea.	$2.25
48312.	Bulb, large tubular, white, 12-volt	Ea.	$2.25
48313.	Bulb, grain-of-wheat, clear, 4.5-volt	Pr.	$2.25
48314.	Bulb, grain of wheat, red, 4.5-volt	Pr.	$2.25
48315.	Bulb, dual filament, clear, 1.5-volt	Pr.	$3.25
48316.	Bulb, dual filament, clear, 2.5-volt	Pr.	$3.25
48317.	Bulb, dual filament, clear, 3.0-volt	Pr.	$3.25
48318.	Case, gear box	Ea.	$5.00
48319.	Shaft, 4" for #48318 gear box	Ea.	$1.50
48320.	Worm, steel, 30:1 ratio	Ea.	$1.75
48321.	Gear, brass, 30:1 ratio	Ea.	$1.75
48322.	Worm, steel, 40:1 ratio	Ea.	$1.50
48323.	Gear, brass, 40:1 ratio	Ea.	$1.75
48327.	Jewels, large red, .112	Pkg. 12	$2.75
48328.	Jewels, large green, .112	Pkg. 12	$2.75
48329.	Jewels, large clear, .112	Pkg. 12	$2.75
48330.	Jewels, large amber, .112	Pkg. 12	$2.75
48331.	Jewels, very small clear, .042	Pkg. 12	$2.50
48332.	Nut on bolt	Pkg. 12	$2.00
48338.	Packing gland, square, .030" ID, .075"OD	Pkg. 6	$2.50
48339.	Packing glands, square, .030" ID, .090" OD	Pkg. 6	$2.50
48340.	Packing glands, round, .030" ID, .100" OD	Pkg. 6	$2.50
48344.	Packing glands, round, double flange, .100" ID	Pkg. 6	$2.50
48345.	Packing glands, round, double flange, .080"		

Part #	Description	Package	Price
	ID	Pkg. 6	$2.50
48346.	Nut-bolt-washers, assorted, small, medium, & large (pl. 48263)	Pkg. 24	$2.75
48349.	Chain, 20 links per inch, 10", brass	Ea.	$2.75
48350.	Elbows on pipe, .062" core (H-4 pumps)	Pkg. 4	$4.75
48351.	Stanchions, handrail, tapered shank, clevis style clamping, .095" high (5"), O scale	Pkg. 6	$2.50
48352.	Stanchions, handrail, tapered shank, clevis style clamping, .095" high (5"), O scale, plastic	Pkg. 6	$1.75
48353.	Stanchions, handrail, tapered shank, clevis style clamping, .145" high (7"), O scale	Pkg. 6	$2.50
48354.	Stanchions, handrail, tapered shank, clevis style clamping, .145" high (7"), O scale, plastic	Pkg. 6	$1.75
48355.	Stanchions, handrail, tapered shank, clevis style clamping, .190" high (9"), O scale	Pkg. 6	$2.50
48356.	Stanchions, handrail, tapered shank, clevis style clamping, .190" high (9"), O scale, plastic	Pkg. 6	$1.75
48358.	Handle, round valve, 3-spoke, .075" dia., 6"-HO, 3-1/2"-O	Pkg. 3	$3.00
48359.	Handle, round valve, 3-spoke, .103" dia., 9"-HO, 5"-O	Pkg. 3	$3.00
48360.	Handle, round valve, 3-spoke, .106" dia., 9-1/4"-HO, 5-1/4"-O	Pkg. 3	$3.00
48361.	Handle, round valve, 4-spoke, .070" dia., 6"-HO, 3-1/2"-O	Pkg. 3	$2.75
48362.	Handle, round valve, 4-spoke, .075" dia., 6-1/4"-HO, 3-3/4"-O	Pkg. 3	$2.75
48363.	Handle, round valve, 4-spoke,.100" dia., 9"-HO, 5"-O	Pkg. 3	$3.00
48364.	Handle, round valve, 6-spoke,.093" dia., 8"-HO, 4-1/2"-O	Pkg. 3	$3.00
48365.	Handle, round valve, 3-spoke, .053" dia., 5"-HO, 3"-O	Pkg. 3	$3.00
48366.	Handle, "T" valve, .067" dia., 6"HO, 3"O	Pkg. 3	$2.75
48367.	Handle, "T" valve, .092" dia., 8"HO, 4-1/2"O.	Pkg. 3	$2.75
48368.	Handle, "T" valve, .100" dia., 9"HO, 5"O	Pkg. 3	$3.00
48369.	Handle, "X" valve, .067" dia., 6"HO, 3"O	Pkg. 3	$2.75
48370.	Handle, "X" valve, .090" dia., 8"HO, 4-1/2"O.	Pkg. 3	$2.75
48371.	Handle, "X" valve .100" dia., 9"HO, 5"O	Pkg. 3	$3.00
48372.	Jewels, green, 1.9mm, .078	Pkg. 12	$2.50
48373.	Jewels, clear, 3.40mm, .136	Pkg. 12	$2.50
48374.	Jewels, clear, 3.80mm, .155	Pkg. 12	$2.50
48375.	Jewels, clear, 1.9mm, .181	Pkg. 12	$2.50
48376.	Jewels, red, 1.90mm, .081	Pkg. 12	$2.50
48377.	Jewels, clear, 1.70mm, .079	Pkg. 12	$2.50
48378.	Jewels, amber, 3.0mm, .118	Pkg. 12	$2.50
48380.	Draw bar, small, medium, large, delrin	Pkg. 3	$1.75
48381.	Packing gland, double flanged, square, .100, ID	Pkg. 6	$2.00
48382.	Packing gland, double flanged, square, .080, ID	Pkg. 6	

Part #	Description	Package	Price
48383.	Packing gland, double flanged, square, .070, ID	Pkg. 6	$2.00
48384.	Mesh, clear-through, 28 openings per linear inch, .035" openings, N/S, sheet	Ea.	$7.00
48385.	Mesh, clear-through, 34 openings per linear inch, .025" openings, N/S, sheet	Ea.	$5.75
48386.	Mesh, clear-through, 56 openings per linear inch, .020" openings, N/S, sheet	Ea.	$5.50
48387.	Hose, rubber, 12" length, ,045 OD	Ea.	$1.75
48388.	Hose, rubber, 12" length, .055 OD	Ea.	$1.75
48390.	Elbow, .048, HO-2-3/4", S-2", O-1-1/2", 1/2"-1/2" pipe sizes	Pkg. 8	$3.00
48391.	Elbow, .035, HO-2-1/2", S-1-3/4", O-1-1/4", 1/2"-7/8" pipe sizes	Pkg. 8	$3.00
48392.	Elbow, .030, HO-2-1/4", S-1-1/2", O-1-1/2", 1/2"-3/4" pipe sizes	Pkg. 8	$3.00
48393.	Elbow, .025, HO-2", S-1-1/8", O-1", 1/2"-5/8" pipe sizes	Pkg. 8	$3.00
48394.	Elbow, .022, HO-1-1/2", S-1", O-7/8", 1/2"-1/2" pipe sizes	Pkg. 8	$3.00
48395.	Elbow, .020, HO-1", S-3/4", O-1/2", 1/2"-3/8" pipe sizes	Pkg. 8	$3.00
48396.	Elbow, .018, HO-3/4", S-1/2", O-3/8", 1/2"-1/4" pipe sizes	Pkg. 8	$3.00
48397.	Handle, wire-wound, 6-spoke, .093" dia., 8"-HO, 5"-S, 4-1/4"-O	Pkg. 3	$2.75
48398.	Handle, wire-wound, 3-spoke, .106" dia., 9"-HO, 5-1/2"-S, 5"-O	Pkg. 3	$2.75
48399.	Handle, wire-wound, 4-spoke, .180" dia., 1-1/4"-HO, 1"-S, 9"-O	Pkg. 3	$3.00
48400.	Handle, wire-wound, 4-spoke, .132" dia., 1'-HO, 9"-S, 6"-O	Pkg. 3	$2.75
48409.	Handle, plain 4-spoke, .135 dia., 1'1"-HO, 9"-S, 7"-O	Pkg. 3	$2.75
48410.	Handle, plain 4-spoke, .065" dia., 6"-HO, 4"-S, 2"-O	Pkg. 3	$2.75
48411.	Coupling, brass w/plastic socket, universal, HO	Ea.	$3.00
48412.	Coupling w/#48413 socket, w/3 couplings, universal, HO	Ea.	$3.50
48413.	Coupling w/brass socket & coupling, universal HO	Ea.	$2.50
48414.	Valve, globe, cored, 6" handle, plastic, O...	Pkg. 6	$2.25
48415.	Valve, globe, cored, 6" handle, brass, O.....	Pkg. 3	$3.00
48416.	Pillow block, 2.7mm bore, C&O H-8	Pkg. 2	$2.00
48417.	Spanner nut	Pkg. 4	$2.25
48418.	Spanner nut w/elbow	Pkg. 6	$4.00
48419.	Pillow block, bored	Pkg. 4	$3.25
48420.	Bracket, 8-pipe, C&O H-8	Pkg. 2	$2.25
48421.	Packing gland, round, cored 2.2mm bore, C&O #1603	Pkg. 3	$3.50
48422.	Flange, bolting, round, 4.5mm core	Pkg. 8	$3.50
48423.	Packing gland, steam, round, on bracket,.10mm tall, 2.5mm core		

Part #	Description	Package	Price
48424.	Packing gland, steam, round, on bracket, .9mm tall, 2.5mm core	Pkg. 4	$2.75
48425.	Packing gland, steam, round, on bracket, .7mm tall, 2.5mm core	Pkg. 4	$2.75
48426.	Packing gland, steam, round, on bracket, .6mm tall, 2.5mm core	Pkg. 4	$2.75
48427.	Union & elbow, .030" core, plastic (br. 4839) 28 pcs	Set.	$1.50
48429.	Chain, long links, 24 links per inch, 10", brass	Ea.	$2.75
48430.	Unions for .015 wire, plastic, (br. 48238)	Pkg. 12	$2.00
48431.	Unions for .020 wire, plastic, (br. 48239)	Pkg. 12	$2.00
48432.	Unions for .025 wire, plastic, (br. 48240)	Pkg. 12	$2.00
48433.	Unions for .030 wire, plastic, (br.48241)	Pkg. 12	$2.00
48434.	Unions for .040 wire, plastic, (br.48242)	Pkg. 12	$2.00
48435.	Unions, .3mm core, .012, HO-3/4, S-1/2	Pkg. 12	$3.00
48436.	Unions, .3mm core, .012, HO-3/4, S-1/2, plastic	Pkg. 12	$2.00
48437.	Unions cored for .050" wire, plastic (br. 48180)	Pkg. 12	$2.00
48438.	Unions cored for .040" wire, plastic (br. 48181)	Pkg. 12	$2.00
48439.	Unions cored for .028" wire, plastic (br, 48182)	Pkg. 12	$2.00
48440.	Unions cored for .093" wire	Pkg. 12	$3.25
48441.	Unions cored for .093" wire, plastic	Pkg. 12	$2.00
48444.	Bearing/bushing, unflanged, .122 dia., .075 length, .055 core, HO, S, O	Pkg. 4	$2.50
48445.	Bearing/bushing, unflanged, .122 dia., .075 length, .055 core, HO, S, O, plastic	Pkg. 8	$1.75
48446.	Bearing/bushing, .120 OD, .165" flange, .045" ID, .022" length, .060 core, HO, S, O	Pkg. 4	$2.75
48447.	Bearing/bushing, .120" OD, .165" flange, .045" ID, .022" length, .060 core, HO, S, O, plastic	Pkg. 8	$2.00
48448.	Bearing/bushing, flange width .200" flange .085" ID, .142" OD, .090 core, HO ,O. S	Pkg. 4	$3.00
48449.	Bearing/bushing, flange width .200", flange .085" ID, .142"OD, .090" core, HO, S, O, plastic	Pkg. 8	$2.25
48450.	Bearing/bushing, flange width .250", flange .065" ID, .190" OD, .065" core, HO, O, S	Pkg. 4	$3.00
48451.	Bearing/bushing, flange width .250", flange .065" ID, .190" OD, .065" core, HO, S, O, plastic	Pkg. 8	$2.25
48452.	Bearing/bushing, cup bearing, no flange, cup depth .040, .125 length, .265" OD, .150" ID, HO, O, S	Pkg. 4	$3.00
48453.	Bearing/bushing, cup bearing, no flange, cup depth .040, .150" ID, .125 length, .265" OD, .155" core, HO, O, S, plastic	Pkg. 8	$2.75
48454.	Bearing/insul. bushing, flanged, .480" flange .190" cup dia., .190" OD, .230" length, .150 ID, O	Pkg. 2	

Part #	Description	Package	Price
48455.	Bearing/insul. bushing, flanged, .480" flange .190" shaft, .190" OD, .150" ID, .230 length, O, plastic.....	Pkg. 4	$2.25
48456.	Elbows, .016, 1/2" pipe-HO, 1/4" pipe-S, 3/8" pipe-O.....	Pkg. 8	$3.00
48457.	Elbows, .012, 1/4" pipe-HO, 1/4" pipe-S, 3/8" pipe-O.....	Pkg. 8	$3.00
48458.	Wire, straight brass, 24" long, 2.0mm, .076, HO-6", S-4", O-3-1/2", 1/2"-2".....	Pkg. 4	$4.50
48459.	Wire, straight brass, 24" long, 2.5mm, .095, HO-8-1/2", S-5", O-4/3/4", 1/2"-2-1/2".....	Pkg. 4	$5.25
48460.	Wire, straight brass, 24" long, 3.0mm, .110 10"-HO, 6"-S, 1/2"-O, 2-3/4"-1/2.....	Pkg. 4	$6.50
48461.	Valves, small globe (br. 48177).....	Pkg. 6	$1.75
48462.	Valves, globe, 1.1mm core.....	Pkg. 3	$2.75
48463.	Handles, round valve, 3-spoke, .100 dia.....	Pkg. 3	$2.75
48464.	Handles, round valve, 3-spoke, .094 dia.....	Pkg. 3	$2.75
48465.	Handles, round valve, 4-spoke, .081 dia.....	Pkg. 3	$2.75
48466.	Handles, round valve, 3-spoke, .080 dia.....	Pkg. 3	$3.00
48467.	Handles, round valve, 3-spoke, .070 dia.....	Pkg. 3	$3.00
48468.	Handles, round valve, 3-spoke, .057 dia.....	Pkg. 3	$2.75
48469.	Nut and bolt,.....	Pkg. 18	$2.75
48470.	Nut and bolt, plastic.....	Pkg. 48	$2.75
48472.	Chain, 32 links per inch, 10" length, brass..	Ea.	$2.75
48473.	Packing glands, double flange, round, .15 OD, .25 ID.....	Pkg. 6	$2.50
48474.	Packing glands, double flange, round, .95 OD, .36 ID.....	Pkg. 6	$2.50
48475.	Packing glands, double flange, round, .120 OD .65 ID.....	Pkg. 6	$2.50
48476.	Packing glands, double flange, round, .145 OD .85 ID.....	Pkg. 6	$2.50
48477.	Packing glands, double flange, round, .175 OD .125 ID.....	Pkg. 6	$2.50
48489.	Jewels, green, medium, 1.7mm, .60.....	Pkg. 12	$2.75
48490.	Jewels, red, medium, 1.7mm, .60.....	Pkg. 12	$2.75
48491.	Jewels, clear, medium, 1.7mm, .60.....	Pkg. 12	$2.75
48492.	Cooling coil ends, set, 2 of each.....	Pkg. 6	
49004.			
49005.	Switch points, code 83, cast N/S.....	Pkg. 2	$2.25
49006.	Rail, guard, code 83, cast N/S.....	Pkg. 4	$3.25
49007.	Rail, code 83, 99' bundle.....	Ea.	$22.50
49008.	Rail, code 70, 99' bundle.....	Ea.	$22.50
49009.	Rail, code 100, 99' bundle.....	Ea.	$22.50



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