

RAW MATERIAL DRY.

1 - Dry White Lead

Old Dutch Process pure basic
Carbonate of Lead.
Good hiding power.
Quite favorable effect on drying.
1882 gals. bulk per cwt.
5.125 Gal. liquid required per
cwt. in Oil Paint.

1 - Special. - Dry White Lead

Carter White Lead Co.,
Carter process pure carbonate
lead.
Whiter than Dutch Lead.

2 - Green Seal Zinc Oxide

New Jersey Zinc Co.
Pure Zinc Oxide - Whitest grade.
Fair hiding power.
Favorable effect on drying.
2.39 gals. bulk per cwt.
14.25 Gals. liquid required per
cwt. in Oil Paint.

3 - Floated Silica.

Southern Illinois Mfg. Co.
Pure Silica, Transparent - inert
 $22.10 \div 1 \text{ gal.} \div \text{cwt.} = 4.52 \text{ gals.}$
11.13 gals. liquid required
per cwt. of Oil Paint.

4 - Red Seal Zinc Oxide

New Jersey Zinc Co
Pure Zinc Oxide - not so white
Fair hiding power. as #2
Favorable drying.
2.226 gals. bulk per cwt.
11.50 gals. liquid required per
cwt. in Oil Paint.

5 - Carolina Barytes

Carolina Barytes Co.
Trifle cleaner than #7 but not
so fine as #7 or 306.

6 -

7 - Off Color Barytes

Clinch Valley Barytes Co

8 - China Clay.

Maryland Clay Co
Pure Kealin Hydrated Silicate of
Aluminum
Very little hiding power. pinert
4.734 gals. bulk per cwt.
21.50 gals. liquid required per
cwt. in oil paint.

9 - Sublimed White Lead.

Picher Lead Co
Pure Sulphate of Lead.- Trace of
Oxide of Lead. 5 - 10% Oxide of
Zinc.
Good hiding power.
Favorable drying.
1.875 gals. bulk per cwt.
6.50 " liquid for oil paint.

10 -

11 - Chinese Blue(11023)(use 11023
instead of 11 entirely)
Pure Ferrocyanide Blue 50%Oxide
Fair hiding power.
Fair permanence.
6.16 Gals. bulk per cwt.
83.33 gals. liquid required for
oil paint.

12 - Victoria Venetian Red L

S.P. Wetherill Co.
22% Sesquioxide of Iron, balance
Calc. Sulph.

13 - Standard Dark Venetian Red

American Steel & Wire Co

14 - Chrome Ochre

substitute
4# 3 Aug
1 - 12010
4# 19

Vanil
Brno Lampel
Not natural, Ochre toned with
4 or 5% Lt. Yell. 4% Ox. iron
60% Calc. Sulph. 30% Silica
4% Chrome Yellow
Very poor hiding power.
Inclined to settle.
unfavorable drying.
Fair permanence
4.64 gals. bulk per cwt.
18.18 gals. liquid for oil pt.

15 - English China Clay.

16 - Golden Whiting Bolted

S. P. Wetherill Co
Pure Calc. Carbonate
Very little hiding power.
22.22# = 1 gal. & cwt. = 4.50 gal.
11.50 gals. liquid for oil pt.

17 - Indian Red #59

Leach Neal & Co
92 98 Oxide Iron, balance
silica
Exceedingly fine and permanent
Excellent hiding power.
2.44 gals. bulk per cwt.
20.00 gals. liquid for oil pt.

18 -

19 - R. Ochre

F. A. Reichard
Natural Ochre - 18.20% Oxide of
Iron - balance Silica.
Very permanent
Poor hiding power.
Unfavorable drying.
Inclined to settle unless ground
very fine.
4.31 gals. bulk per cwt.
20.00 gals. liquid for oil pt.

20 - Asbestine Pulp

Internatl. Pulp Co
Silicate of Magn. Substitute for
Frt. Car Pt.
62% Silica; 30% Magnesia, Berger
No. 76
Rectangular crystals & rods,
Cleaner color than 519. Inert.
4.46 Gals. bulk per cwt.
19.50 gals. liquid for oil pt.

21 - Raw Turkey Umber

J. W. Coulstone Co
42% Oxide of Iron
10% Oxide of Manganese
Balance - silica, Calc. Carbonate
Mag. Carb., Berger 12033
Poor hiding power.
Very permanent Holds up well
when finely ground. favorable
4.05 gals. bulk per cwt. drying.
5.00 gals. liquid for oil pt.

22 - Burnt Umber.

P. Ullie Co
45% Oxide of Iron. Balance
Silica, 10% Manganese Berger
12038, Sample 89
Very favorably drying. Holds
up well when finely ground
Very permanent. Poor hiding
power.
3.89 gals. bulk per cwt.
50.0 gals. liquid for oil pt.

23 - Iron Ore Red

Atlas H & M Co
62% SesquiOxide of Iron
Balance Silica. Inclined to
settle. Very permanent
Generally inclined to con-
siderably retard drying but
varies.

25 - Raw Italian Sienna.

S. P. Wetherill Co.
65-70% Oxide of Iron. Balance
Silica. Berger #66. Sample
206. Very permanent and trans-
parent. Deeper color than ochre
and less opaque. Rich tones
and tints of yellow. Unfavor-
ably drying.
Holds up well when finely
ground.
4.21 gals. bulk per cwt.
50. gals. liquid for oil pt.

24 - Iron Ore Purple

Pittsburgh Reduction Co
94% Oxide of Iron.

25 Spec. - Raw Italian Sienna

Wm. E. Brown & Co
65 to 70% Oxide of Iron.
Balance Silica.

26 - Burnt Italian Sienna #841

S. P. Wetherill Co
70 to 75% Oxide of Iron.
Balance Silica.
Berger #63 Sample 525
Very transparent. Rich tone
and tints of Red Brown. Holds
up well when finely ground.
Very permanent.
Unfavorably drying.
3.46 gals. bulk per swt.
36.36 gals. liquid for oil pt.

26s - Italian Burnt Sienna #741

E. C. Bartels.

27 - Vandyke Brown (German)

Paul Ullich Co
92% Peary Organic Matter #water
8% Ash(percent of moisture 20%)
Good permanence Very detri
mental to drying. Light gravity
8.43 gals. bulk per swt.
30. gals. liquid for oil paint.

28 - Resinate of Manganese
A. Klipstein Co #98

29 - Lewis Red Lead

National Lead Co
80% Oxide of Lead Pb_3O_4
20% PbO
Inclined to fade lighter.
Good hiding power. Inclined
to settle variable, but very
favorable drying.
1.312 gals. bulk per cwt.

30L - Chrome Scarlet L

National Lead Co
Basic Chromate of Lead 50%
 $PbCrO_4$
Fair hiding power.
Very permanent
Favorable drying
Inclined to settle seriously
in liquid goods.
1.88 gals bulk per cwt.

30D - Chrome Scarlet D

National Lead Co
same as 30L

31 - Paris Green (11028)
Pure

32 - XXX
7 Black.

Seaver & Co
Pure Bone Black 10% Carbon
Bal. Phos. Carb. Calcium
Strong hiding power. Retards
drying slightly.
4.5 gals. bulk per cwt.
33.3 gals. liquid for oil pt.

33 - G. C. Paris White

S. P. Wetherill Co
Pure Cal. Carbonate. Finer
grade than 16.
Very transparent. Inert
4.45 gals. bulk per cwt.
11.5 gals. liquid for oil pt.

34 - French Crown Green D (11002)

75 to 80% Adulteration
(Clay or Barytes)

35 - Chrome Green M

17 1/4% Pure Green- Barytes base
China Clay "
Detroit-White Lead "

36 - Chrome Green L
Same as 35

37 - Chrome Green L L
Detroit

22% Pure Green - Barytes Base
China Clay "
White Lead "

38 - Golden Crown Ochre
C. K. Williams

39 Turkey Red - Pale (18124)

40 - Flake Litharge
formerly 48

41 - Powdered Borax
Benton Myers Co

42 ~~44~~3 Keystone Filler Black

Keystone Paint & Filler Co
Natural earth 75% silica
Balance gulph. Iron. Calc.
Carbonate. Carbon.
Use 520 in place of 42 in
everything except Rough Suttiff
Weak hiding power. - Inert

43 - Bone Black
Montreal Mfr.

44 - Sugar of Lead.
Harshaw-Fuller-Goodwin Co

45 - Silician White #1

Higginson Mfg. Co
Gypsum Hydrated Sulphate of
Calc. containing about 21% water
in composition. Inert -
Very transparent. Verry little
hiding power.
51.56 gals. bulk per cwt.
14.25 gals. liquid for oil pt.

46 - Bone Black XXXX
R

Seaver & Co
10% Carbon
Balance Phos. & Carbon ate of
Calcium. Strong hiding power
Retards drying., slightly.
4.547 gals. bulk per cwt.
28.50 gals of liquid for oil pt.

47 - Bichromate of Potash

Baltimore Chrome Works.

48 - Lithrage

National Lead Co
Pure Oxide of Lead Pb O

48f - Powdered Lithage

National Lead Co

49 - Recovered Manganese.

J. S. Lamson & Co Bros.

65% Oxide of Manganese.

35% Calcium, Silica, etc.

Useful to aid hardening of
machine fillers, etc. Also
used in varnish works.

3.187 gals. bulk per cwt.

20.00 gals. liquid for oil pt.

50 - Flake White

W. G. Matheson.

Carbonate of Lead

Good hiding power.

Favorable drying.

1.828 gals. bulk per cwt.

5.125 gals. liquid for oil pt.

51 - Vienna Lake. #376

M. Herman Co

Barium Sulphate Lake.

(Berger's (10906))

52 - Solferino Lake.

J. Pfeiffer;

53 - Orange Mineral C.O. P.

Farbwerk - W. A. Hospelt.
Pure $Pb_3 O_4$ Red Oxide of Lead
obtained from White Lead.
Base for Eosine Vermillions.
Stable, except in presence of
sulphur. Excellent priming coat
for steel. Good hiding power.
Favorable drying. Fair permanent.
1.36 gal. bulk per cwt.
4.50 gals. liquid for oil paint.

54 - Indian Red #65

Leach Neal & Co
95 to 99% Oxide of Iron.
Quite permanent if prepared
with Alizarine dyes. Excellent
hiding power. Retards drying
somewhat.
2.44 gals. bulk per cwt.
20.00 gals. liquid for oil paint.

55 - Tawcan Red #3433

Leach Neal & Co
45, 50% SesquiOxide of Iron.
Balance Carbonate of Lime.
35% Organic Matter, etc., Blend
ed with Dye Stuff.
Rose Pink Alumina Magnesia
Very good hiding power. Retard
drying. 3.52 gals. bulk per cwt.
20.00 gals. liquid for oil pt.

56 - Green Lake D

57LL-Chrome Yellow LL (12007)

60% Chromate of Lead.
40% Sulphate of Lead

57L - Chrome Yellow L (12008)

75% Chromate of Lead.
25% Sulphate of Lead.

57M - Chrome Yellow M (12010)

95-98% Chromate of Lead
5 - 2% Sulphate of Lead.

57^O - Chrome Yellow O (12011)

75% Chromate of Lead.
25% Oxide of Lead.

58 - Chrome Yellow. D.D. (12012)
discontinued.

59 - Special LL Yellow #801 (12008)

50 - 60% Chromate of lead.
30% Sulphate of Lead..
5 - 10% Carbonate of Lead.

60 -L - English VermilionL-Berger

			18004
M -	"	"	" 18003
D	"	"	" 10008

Darkens in Light and turns brown
Excessive grinding causes light-
ness, chalkiness, & yellows up.
Favorable drying.

1.52 gals. bulk per cwt.

12. gals. liquid for oil paint.

61 - Ultra Blue J. N. #281(Berger
115 dry)

C.F. Zintgraf

Pure Blue (Ultramarine)

Similar to 98 but much niser.

Transparent. Usually inclined
to settle and caking. Very
permanent.

5.08 gals bulk per cwt.

33.3 gals. liquid for oil pt.

62 - Makarat Carmine #40

H. Kohstann & Co

Pure French Carmine Lake

made from Cochinial insects.

7% Ash

8.21 gals. bulk per cwt.

63 - Dutch Pink

F.L. Lavenburg.

Yellow organic coloring matter
on whitening and Gypsum base.

- 64 - Rose Pink (Bone Dry)
Lewis Berger & Sons Ltd.
- 65 - Eosine Lake (11030)
not made now.
- 66 - English Purple Lake.
J. M. Huber
- 67 - Bright Rose Pink (10148)
(10192 for double strength)
20 - 25% Calc. Sulphate
50 - 60% Calc. Carbonate
30 - 15% Alumina, Dye, etc.
- 68 - Eosine B. P.
Heller & Marz Co
English Vermilion for sale.
P 10007
P 10010
- 68a - Eosine J.
Heller Marz & Co
- 69 - Mauve Lake. C
Wm P. & K
On China Clay base.
Transparent. Fugitive
Unfavorable drying.
4.54 gals. bulk per cwt.
- 70 - Special Millori Green M.

71 - Millori Green DD (Powdered)

72 - Elberfield Bismarck Brown
Continental Color Co

73 - Bismarck Brown #72

74 - #7 Munich Lake.

H. Kohnstann
Carmine Lake. much like #62
but not pure. Contains about
20% Ash

75 - #6 Munich Lake.

H. Kohnstann
Lake 74 (15-20% ash)
Use in place of 83.

76 - Scarlet Lake #3
Wm P & K

77 - Thompson's Clay W-98

Displacement - 4.367. Very
similar to our #20 but
considerably finer in texture
Silicate of Aluminum and
Magnesium.

78 - Lithopone.
S. W. Mir.

79 - Vienna Lake.
Musbacher

80

80 - French Washed Ochre.

F. A. Reichard.
Much like 19 - 20% Iron Oxide.
Balance Silicates.
4.27 gals. bulk per cwt.
20.0 gals liquid for oil pt.

81 - Bleached Shellac

Montreal #575
20 to 25% Moisture.

82 - Shellac

Hoop & Andrevelts.
Staple good grade.

83 - Munich Lake #3
made void - use 75

84 - Naples Yellow #157

Lewis Berger Sons.
Void - now use 1 and 112 with
Chrome yellow - See Rx 140

85 - Off color Lithopone.
S. W. Mir.

86 - ~~#7 Iron Primer~~ *Washable Blue Pig.*

87 - I Chrome Udden H.

88 - I Chrome Green D.

89 -

90 - American Burnt Umber.

91 - Metallic Brown.

Princess Metallic Bt. Co
45 - 50% Oxide of Iron.
Balance Silicates
Retards drying, slightly. Very
good hiding power.
3.33 gals. bulk per cwt.
13.70 gals. liquid for oil pt.

92 - Special Prussian Blue Powd.
A. E. Ausbacher Co
(discontinued)

93 - ~~H. M. Green~~ *Oglo*

94 - ~~H. M. Green~~ *Oglo - Off shade*

95 - ~~H. M. Green~~ *Oglo - Darker*

96 - Marble Flour

97 - Yellow Lake G

J. M. Huber
About 50% ash. Transparent.
Fair permanence. Detrimental
to drying.
6.54 gals. bulk per cwt.

- 98 - W 1 Ultra Blue.
Hellers & Marx Co
Pure Ultra Blue. much like 61
but not so nice. Berger #111
Very permanent. Transparent.
Usually inclined to settle
and caking.
5.08 gals bulk per cwt.
33.3 gals. liquid for oil pt.
- 99 - Cobalt Blue #1
M. Hermann Co
discontinued - use 419
- 100 - Permanent Vermilion L
- 101 - Carbon Black, New a.

Binney & Smith.
Pure carbon black made from
gas. Very strong hiding power.
Black in color. good tinting
power. Retards drying consid-
erably.
6.483 gals. bulk per cwt.
300.0 gals. liquid for oil pt.
- 102 - E. Rosin
S. P. Shottor Co
Dark color- DWL Works #416
- 103 - English Rose Lake #33
A. B. Ausbacher Co
See 51 - now 10192
70 - 80% base of blanc fixe
and alumina etc.

104 - #14 Lamp Black

Seaver & Co
Pure Black made from oil
Uniform, very fine, and permanent. Not so black as #101 but yields very clear tints for pearl grays. Great tinting strength. Very strong hiding power. Detrimental effect on dry drying.
7.463 gals. bulk per cwt.
180.0 gals. liquid for oil pt.

105 - Bronze Green D (110083)

40% Barytes & Silica.
Balance coloring matter.
Black, Ochre and chrome yellow

106 - Refined Lead Zinc.

Washed 412. Compares with
N. J. Lehigh 35% Lead.

107 - Off colored Ozark Zinc.

108 - XX Zinc Oxide of Zinc.

New Jersey Zinc Co
Pure Zinc Oxide. Fairly good hiding power. Favorably drying
2.179 gals. bulk per cwt.
10.00 gals. liquid for oil pt.

- 109 - Ivory Black A
Void - use 46 Seavers $\frac{XXX}{R}$
- 110 - B. Drop Black.
- 111 - Recovered Lead Sulphate
Lithopone Dept. D 1215.
- 112 - Ozark Zinc Oxide -A-
Fairly good hiding power.
Contains 5-10% Lead Sulphate
2.156 gals. bulk per cwt.
1000 gals. liquid for oil pt.
New Jersey Zinc Co
- 113 - Ozark Zinc Oxide A1
Ozark Zinc Oxide Co.
Not quite so clean in color
as 112.
114. Bremen Blue.
A. W. Smith Ltd.
- 115 - Chrome Green Vp
- 116 - Bottle Green #2
A. B. Ausbacher Co
Mixture - Bone Black, Chinese
Blue, Chrome Yellow and little
Zinc Oxide or white lead.

117 - Special Cheap Whiting
used at Detroit.

118 - Florentine Lake.

119 - Winer's Metallic

120 - Red Earth #223

Geo. S. Mephan Co
Excellent hiding power. Retard
drying.

80 - 85% Oxide of Iron.

5% Silica

8% Calc. Carb.

2 - Alumina.

2.95 gals. bulk per cwt.

22.00 gals liquid for oil pt

121 - Spanish Red Oxide.

122 - Yellow Oxide
L. H. Butcher Co

123 - Red Oxide.

S. P. Wetherill Co

27 - 30% Oxide of Iron.

87% Sulphate of Lime

30% Silicians

2 1/2% Whiting.

124 - Blue Black D

W. E. Brown & Co

125 - Pure French Crown Green M.

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- 126 - Special Vermilion (10020)
- 127 - Savoy Vermilion (10004)
- 128 - Vienna Lake.
- 129 - Garminette
L. F. Lavenburg
- 130 - French Verdigris
L. Finchtwanger.
Basic Acetate of Copper.
- 131 - Star Kaury Dust.
L. F. Gillespie
- 132 - B. Magnetic Oxide.
Champlain Oxide Co
90% Magnetic Oxide of Iron.
Balance Silica, Lime and
Alumina
37.62#-1 gals.& cwt.=2.66 gal.
- 133 - Rich Gold P.D. Linⁱⁿg Bronze.
- 134 - Turkey Red.
Geo. S. Mephram Co
about 25% Oxide of Iron.
Balance Baytes 40%
Whiting 35%
Very good hiding power. R^otard
drying.
3.75 gals. bulk per cwt.
12.50 gals. liquid for oil pt.

- 135 - #2 Kauri Gum
Sortings
Light in color and medium
hard. Sort from 256 - 257
Pieces average about 1 cu.in.
- 136 - #121 Red Oxide
M.P. Wetherill Co
70 - 75% Oxide of Iron
9% Calcium Carbonate
21% Calcium Sulphate
- 137 - Berlin Red
A. B. Ausbacher Co
- 138 - O.B. Green (11029)
20 - 25% Pure
Balance Barytes and Clay.
- 139 - Brilliant Lake XXX
J. M. Huber
- 140 - Viridian Lake 1659D (11039)
A. Keppleman
Artificial Green Lake.
- 141 - C.P. Chrome Green L
A. Ausbacher Co
- 142 - C.P. Chrome Green M
A. B. Ausbacher Co
- 143 - C.P. Chrome Green D
A. B. Ausbacher Co
- 144 - Special Pure Chrome Yellow L.

- 145 - Special Pure Chr. Yellow _M
146 - Spec. Pure Chrome Yellow O
147 - Ivory Black
Essex Paint Works.
148 - Tuscan Red
Hermingway Co
149 - Carminol Lake.
A. B. Aushacher Co
150 - Special Red Lake. (10120)
80% Barium Sulphate Lake.
151 - Peerless Vermilion
152 - Devil Red M
153 - Non Bleeding Scarlet Lake.
Morris Hermann
154 - Germanium Lake O (10128)
155 - #121 Red Oxide
156 - Crow Velvet #50
Wegelin & Wilkes Black Mfg. Co
Pure Lamp Black. Very strong
hiding power. Detrimental
effect on drying.
7.131 gals. bulk per cwt.
108.00 gals. liquid for oil pt.

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- 157- Frankford Black
Black color and Chemical Co
use as substitute (3-32)
(1-42)
- 158 - Powd. Wood Charcoal
Benton Hall & Co
Carbon with 2 - 8% Ash
Liable to saponify oil o/c
of its alkalinity. Therefore,
must have low ash. Good
hiding power.
8.836 gals. bulk per cwt.
30.00 gals liquid for oil pt.
- 159 - Blue Green
- 160 - Carminette
J. Pfeiffer
- 161 - Peerless Green L
J. Pfeiffer
- 162 - Scarlet Lake #162
A. B. Aushbacher Co
- 163 - Scarlet Oxide #5785
Hemingway Co
62% Oxide of Iron (originally
93 - 98%
- 164 - Carmilion Lake Extra
Cawley, Clarke & Co
52% Red Lead
35% Barium Sulphate Lake.
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- 165 - Milori Green DD (11078) nearest
Morris Hermann Co
Pure Chrome Yellow & Prussian
blue. Excellent hiding power.
Light gravity. fair permanence
Unfavorable drying.
5.08 gals. bulk per cwt.
66.67 gals. liquid for oil pt.
- 166 - Off shade Green
D. F. Friemann
- 167 - Cotton Blue 3 B.C.
Heller & Marz Co
- 168 - Base White
Morris Hermann Co
- 169 - Eng. Cadmium Yellow Pale
Lewis Berger & Sons Ltd.
- 170 - Manhasset Vermilion (11036)
- 171 - C.P. Chrome Green L
Sondheim Alsbury Co
- 172 - C.P. Green Chrome M
Sondheim Alsbury Co
- 173 - Milori Green Yellowish Lt (11025)
Pure chrome yellow & Pruss Blue
Lt. Gravity. fair permanence
Excellent hiding power.
Unfavorable drying.
3.13 gals. bulk per cwt.
45.5 gals. liquid for oil pt
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- 174 - Milori Green C P Bluish (11024)
Pure Chrome Yellow & Pruss. Blu
Light Gravity. Fair permanence
Excellent hiding power.
Unfavorable drying.
3.52 gals. bulk per cwt.
66.67 gals. liquid for oil pt.
- 175 - C.P. Milori Green Yellowish
Deep (11016
Pure Chrome Yellow & Pruss Blu
- 176 - Special Lake (10076)
- 177 - Imitation English Vermilion D
11037
Make void for present. Use
11058
- 178 - Carnelia Lake L
Morris Hermann Co
- 179 - Carnelia Lake D
Morris Hermann Co
- 180 - Violet M. Ultra #6254
Heller & Marx Co
Ultra containing dye. Pure blue
similar to 98 & 61. shows more
inclination to settle than the
general run of Ultramarines.
Poor hiding power. Fair perman
ence. Difficult to grind fine.
5.19 gals. bulk per cwt.
33.33 gals. liquid for oil pt.

- 181 - Powdered Graphite.
Int. Achison Graphite Co
Pure Electrolyticamorphous
Graphite - 90-94% Carbon
Balance Ash.
discontinue - use 488
- 182 - #126 Red Oxide
S.P. Wetherill Co
65-70% Oxide of Iron.
Balance Silica. Very good
hiding power. Retards drying.
3.19 gals. bulk per cwt.
16.0 gals. liquid for oil pt.
- 183 - Special Tuscan Red
Geo. S. Mephan Co
discontinued - 2-9-16
- 184 - W3 Ultra Blue.
Hellers & Marx Co
Pure Ultramarine Blue. Bergers
No.121. Transparent. Usually
inclined to settling and caking
Very permanent.
5.19 gals. bulk per cwt.
33.33 gals. liquid for oil pt.
- 185 - #0 Pumice Bowd.
Harshaw Fuller Goodwin Co
- 186 - Powd. Rotten Stone.
Harshaw Fuller Goodwin-Co

187 - Lithopone.

Boston Chemical Co.
Ponolith (Heller & Marx Co
65 - 70% Barium Sulphate
30 - 35% Zinc Sulphide
Chemically precipitated.
Photogenic. Turns dark when
exposed to light. Turns dark
when used with Lead Barbonate
or Lead dryers. Is decom-
posed quickly if exposed to
acids. Covers very well.
2.822 gals. bulk per cwt.
7.35 gals. liquid for oil pt.

188 - Special Green #175 originally.

187 spec. - See 461 2/2/14 use 416
altogether.

189 - Milori Green Extra Yellowish
light, nearest 11087

190 - Pulp Zinc 10045

191 - Zinc Lead. in
U. S. Smelting Co
50 - 60% Sulphate of Lead.
40% Oxide of Zinc.
Balance Oxide of Lead.
Try David Owen & Sons
Liverpool for supply.
46.73 gal. cwt. 2.14 gal.

- 192 - Scarlet Lake M #358 (10107)
- 193 - Powd. French Talc
- 194 - A.B.A. Red Oxide.
- 195 - Tuscan Red #3871
Leach Neal Co
75 - 80% Oxide of Iron.
- 196 - French Permanent Green L (11013)
20% Pure Chrome Green
52% Barites
28% China Clay
- 197 - French Permanent Green M (11014)
20% Chrome Green
- 198 - French Permanent Green D (11015)
20% Chrome Green
- 199 - #610 Red Oxide.
W. P. Wetherill Co
65- 70% Ferric Oxide.
- 200 - Cadmium Orange.
H. Kohnstann - A.W. Smith. Lewis
Berger Sons. Pure Sulphide of
Cadmium. Transparent. Light
gravity. Favorable drying.
Very transparent. Very perma-
nent. Unaffected by hydrogen
sulphide gas from coal smoke.
3.08 gals. bulk per cwt.

- 201 - Bradley's Orange Mineral.
National Lead. Co
Oxide of Lead Like 53.
- 202 - Picher Red Lead.
Best cheap orange mineral for
AIP. Cheaper than 53.
90% Oxide of Lead $Pb_3 O_4$
Good hiding power.
Very favorable drying.
1.36 gals. bulk per cwt.
5.00 gals. liquid for oil pt.
- 203 - Venetian Red
12/5/11 made void Use 134
- 204 - Special Green L 11018.
45 - 60% adulteration
Balance Chrome Green.
- 205 - Special Green M 11019
same as 204
- 206 - Special Green D 11020
same as 205
- 207 - Special C & C Lake.
- 208 - C. P. Lemon Yellow powd.
J. H. Humber.
- 209 - Special Vermilion #908
Morris Hermann Co.

- 210 - Carnelium Vermilion (#548
Harris Hemmann Co
- 211 - Nitrate of Lead.
Harshaw Fuller Goodwin Co
- 212 - Concord Wagon Green.
H. Woods Sons Co
- 213 - Blanc Fixe.
Natl. Mixing & Milling Co
Imported -100% Barium Sulphate
Very uniform - inert. Very
little hiding power.
2.905 gals. bulk per cwt.
10.00 gals. liquid for oil pt.
- 214 - Bright Oxide #2506
Leach Neal Co
95 to 98% Pure Oxide of iron.
Very soft and finely ground
for jeweler's rouge. Shows
but little tendency to settle
Retards drying somewhat.
Excellent hiding power.
2.49 gals. bulk per cwt.
22.00 gals liquid for oil pt.
- 215 - Special Vermilion 10021
- 216 - Copper Scale.
Robt. K. Story
90% Oxide of Copper.

- 217 - Scarlet R R 217
Victor Koccol Co
New Cassela Acid color
Matterstandard.
RR Shade.
- 218 - A B B Extra Eosine.
W. P. Kutroff
- 219 - Bromo Fluorescine B.
W. P. Kutroff.
- 220 - Fullers Earth.
Silicate.
Usually very little hiding
power.
Retards drying.
4.593 gals. Bulk per cwt.
16.00 gals. liquid for oilpt
- 221 - Barium Chloride.
Harshaw Fuller Goodwin Co
- 223- Bordeaux Lake D 465 (10122)
- 224 - #0 Coarse Granulated Manganese
G. S. Lamson Bros. Berger
#248. 76% Pure Oxide of
Manganese.
- 225 - Borate of Manganese.
J. Meyers & Sons.
75% Pure - pure as can be
made.

- 222 - Glucose.
Harshaw Fuller Goodwin
- 226 - Walnut size Manganese.
J. S. Lamson CoBros.
- 227 - Ex. Large Granulated Manganese
J. S. Lamson Bros.
- 228 - #1 Kauri Gum
sortings - solid gum between 135 and 252 for hardness. Light color, egg size. sort from 256 to 257.
- 229 - Pale Manila Nubs.
Patterson Boardman Co
- 230 - Sulphate Aluminum
H F G
- 231 - Special Yellow O 12017
- 232 - Graphite void use 181
- 233 - Special yellow L 12018
- 234 - Special Yellow M 12019
same as 231- adulteration 30%
12006 almost an exact match in everyway.

235 - Lt. Permanent Tuscan Red.
4077

Leach & Neal Co
45 - 50% Oxide of Iron
30% Barytes, Gypsum, Dye
10% Alumina
10% Water
Tinted with Alizarine Lake.
Retards drying considerably
good permanence and hiding
power.
3.42 gals. bulk per cwt.
25.0 gals. liquid for oil pt.

236 -Dk. Permanent Tuscan Red⁴ 076D

Leach & Neal Co
50-55% Oxide of Iron. same
as 235.
Retards drying considerably
good hiding power and
permanence.
3.47 gals. bulk per cwt.
25.0 gals. liquid for oil pt

237 - Sulphate of Zinc.
H. F. & Goodwin
Sulph. zinc crystals not
dried

238 - Special Vermilion 10027

239 - Pure Oxide of Iron #7
Leach Neal & Co

240 - Special Vermilion 10046

- 241 - Special Vermilion 10047
- 242 - Batavia Damar Gum.
L. C. Gillespie
Standard Grade of Good damar
- 244 - Sierra Leone Std. Varnish gum
A. Winterbournre Co
- 243 - XX Manila Gum.
L. C. Gillespie
- 245 - XXXX Kauri Gum
L. C. Gillespie.
- 246 - Sorts Pale Medium Zanzibar.
L. C. Gillespie.
- 247 - Zanzibar Gum sorts.
L. C. Gillespie.
Medium color and small size.
used in spar varnishes.
dries hard but is elastic
and tough. Stands exposure
very well.
- 248 - Pure cadmium Yellow Pale.
A. W. Smith.
3.35 gals. bulk per cwt.
- 249 - Pure Cadmium Yellow Ex. Deep
L. Berger Sons.
Pure Cadmium Sulphide.
- 250- Kauri Gum.
Edw. Halls & Sons Co

251 - #1 Keytone Filler.
Keystone Pt. & Filler Co
Void - use 506 instead.

252 - Select Bitumenite
H. M. Peabody.

253 - Brown #3 Kauri Gum.
L. C. Gillespie.
Swamp Gum. often quite
damp. Contains quite a
large % (perhaps 15%)
of dust. Dark color and
not hard. Requires rosin
Flux to melt.

254 - B N Kauri Gum.
L. C. Gillespie.

255 - K 2 Kauri Gum.
L. C. Gillespie.
(Rough gum. Light
See 256 { colored. but not
 { so good as 257
 { Pieces irregular
 { in size. from dust
 { 6# to 7#.

256 - Good Ordinary Kauri Gum.
L. C. Gillespie.
126% - 131 .6% - 245
67.4% - 135 1.1% - 262
147% - 228 3.6% - sort.

257 - Superior Ordinary Kauri Gum.

L. C. Gillespie.

37% - 135 2% - 253

41% - 228 1% - 245

9% - 262 1% - BXX

8% - 131

Rough Gum - Light colored
and better than 256 but
pieces same size.

258 - #1 Selected Gilsonite.

Barber Asphalt Paving Co.

Breaks smooth and shiny,

Finest grade and hardest

grade- should dissolve

thoroughly in (63) colt

if not should be melted at

75 deg. higher than Gilsonite

that does dissolve in (63)

(or at 640 deg.)

259 - Singapore Damar Gum.

Edw. Hills Sons & Co.

2nd grade Gum for cutting

cold. Cannot be cut hot

as color is then considerably

darkend and spddled

260 - Red Rag Kauri Gum.

L. C. Gillespie.

2.2% - 135 54.2% - 262

9.2% - 228 1.7% - 289

28.1% - 245 1.6% - sort

Light chiselled Kauri. Hard.

Quite bold pieces.

- 261 - Scarlet Lake. 10049
262 - - "A" Kauri Gum.
Sort from 260. Medium
color. darkest part of 260
Chiselled hard Kauri
263- Manhattan Vermilion 10050
264 - B X X Kauri Gum
L. C. Gillespie.
#2 Brown Kauri. not chiselled
sort from 345 similar to 135
except dark in color.
265 - Corn Starch. (Hawkeye
National Starch Co
Very little hiding power.
Retards drying slightly
7.734 gals. bulk per cwt.
13.70 gals. liquid for oilpt.
266 - Chloride of Manganese.
J. Meyer & Sons.
267 - Zinc Dust.
Roessler & Hasselacher Chem Co
268 - Rosin - change to K
S. P. Shetter Co
Medium color.
269 - Rosin - change to M
S. P. Shetter Co
finest grade water white.

270 - Burnt Turkey Umber-Lump
J. Lamson Bros.
50% Oxide of Iron.
15% Oxide of Manganese.
Balance Silica, Calc. Carb.
& Mag. Carbonate DWL Wks. 466

271 - Special Vermilion 10056
use $\frac{1}{3}$ - 10007
 $\frac{2}{3}$ - 10032

270 Spec. 9 Vermilion 10056

272 - Flake Napthalene.
Barrett Mfg. Co
Commercially pure coal tar
product.

273 - Special Vermilion 10056

274 - Alizarine Lake 10057

275 - Special Vermilion 10058

276 - Para Nitranalene.
Victor Kroebl Co
High grade Nitranalene.

277 - Beta Napthol R
Victor Kroebl Co
Replaced by 5% - 364
95% - 301

278 - Para Soap
Victor Kroebl Co

- 279 - Sodium Nitrite.
Sheekloff Hartford and Hanna
- 280 - W. B. Manila Gum
L. C. Gillespie.
Dark but melts rather light.
Very bold Manila Gum, softer
than Kauri.
- 281 - Milori Blue.
J. M. Huber
similar to 11 and 92.
- 282 - Litho Carbon.
J. S. Lamson Bros.
- 283 - Brazilian Gum Copal 6
Watts & Co
- 284 - #1 White Brazilian gum.
Watts & Co
- 285 - Orange Y. H
Holler & W. arz Co
Orange dyestuff similar to
Scarlet (217) see also 484
Bigelow reports same.
- 286 - Chesapeake Bay Lime.
W. W. Clark.
Oyster Shells Lime.
- 287 - Special Dark Orange Yellow
same as 213, 233 12020
25% Barytes
Balance Chromate of Lead.

- 288 - Manila Chips
L. C. Gillespie.
- 289 - Bright Kauri-Gum. Dust.
Sortings.
Lightest Kauri Dust from
#1 and better.Hard.
- 290 - Special Vermilion 10051
- 291 - Eosine B B Extra
Victor Kroschl Co
Replaced by 353
Very blue shade German Eosine
- 292 - Aluminum Bronze.
J. Schoppfecher.
- 293 - Bichromate of soda.
Harshaw Fuller Goodwin Co
Fine Bich. Soda. free from
- 294 - moisture. good crystalline
foundation
- 294 - Soluble Gotton.
Cellulid Zapon Co
- 295 - Brown Kauri Dust.
L. C. Gillespie.
Dark and very soft.
- 296 - Special Ochre.
- 297 - Ferric Sulphate
Grasselli Chemical Co

- 298 - Yellow Prussiate of Potash
Harshaw Fuller & Goodwin Co
- 299 - Special Rose Pink.
A. B. Ausbacher Co
- 300 - Red Oxide Of Mercury
Harshaw Fuller & Goodwin Co
- 301 - Beta Naphthol
Victor Kroebl Co
Pure Beta Naphthol free
from Alpha Naphthol
- 302 - Alpha Napthylamine.
Victory Kroebl Co
- 303 - Caustic soda Powd.
Harshaw Fuller & Goodwin Co
in ten drums contains 98% NaOH
- 304 - Special Tuscan Red #4128
Leach Neal & Co
50% Oxide of Iron.
20% Barium Sulphate.
5% Gypsum
Retards drying considerably
Good hiding power. and
permanence.
3.84 gals. bulk per cwt.
25.00 gals. liquid for oil pt.
- 305 - Venetian Red Oxide #305
Montreal
90-95% Oxide of Iron.
Balance Silicates.

- 306 - Swans Down Barytes
Clinch Valley Barytes Co
Fine Ground Barytes.
- 307 - White Arsenic
Victory Kroehl Co
- 308 - Eosine A 3 G
Victor Kroehl Co
- 309 - Light Grey Carnauba Wax.
Smith & Nichols.
Vegetable Wax. Very hard and
Light in color.
- 310 - Yellow Ceresine Wax.
Smith & Nichols.
Mineral Wax. Much like Beeswax
in color and hardness.
- 311 - Cerotine Orange G Extra
A. Keppleman.
- 312 - Bicycle Inner Tubing.
Mechanical Rubber Co
Scrap Rubber. and used for
greater elasticity.
- 313 - Acid Green O
Victor Kroehl Co
Acid Green dye stuff fairly
fairly fast to light when
mordanted as in D-469 (11039)

- 314 - Copperas
Harshaw Fuller Goodwin Co
Ferrous Sulphate.
Green Vitriol
- 315 - Sublimed Lead Blue.
Escher Lead Co
- 316 - Oxalic Acide.
Harshaw Fuller Goodwin Co
- 317 - Glauber's Salts Comp
Grasselli Chemical Co
Crystallized sodium Sulphate.
- 318 - Blue Vitriol
Harshaw Fuller Goodwin
Copper Sulphate.
- 319 - Greenbanks' Caustic Soda.
Strong Cobb & Co
Detroit White Lead Wks. #955(
- 320 - Star 4 Kauri Gum
L. C. Gillespie.
discontinued as it was very
unsatisfactory, cheap swamp
gum. Hard to melt and giving
a poor yield.
- 321 - Scarlet 2 R
Heller & Marx Co
Like scarlet similar to 217
gives brighter shade.
- 322 - Ground Glue(old 303)
Montreal

- 323 - Wheat Flour (old 304)
Montreal.
- 324 - Coach Green (old 307)
Montreal.
- 325 - English Ivy Green L (old 300)
Montreal
- 326 - English Ivy Green M (old 301)
Montreal.
- 327 - English Ivy Green D (old 302)
Montreal.
- 328 - Berger's #40 Vermilion.
Montreal.
- 329 - Chlorate of Potash
Harshaw Fuller Deegwin Co.
- 330 - BXX Kauri Gum
sort from 345.
Just like 262 except brown
in color.
- 331 - Oxide of Calcium
Wm. H. Schul
Crushed Lime stone (unslaked)
stronger than 332
- 332 - Stone Lime (unslaked)
Kelley Island Lime Co
Calcium Oxide made from un-
slaked lime stone.

- 333 - Pale Gold Lining Bronze.
G. Schloppflecher Co
- 334 - Oxide of Soda.
Harshaw Fuller Goodwin Co
Calcium Oxide made from cattle
finchbone.
- 335 - Sand Manganese.
Harshaw Fuller Goodwin Co
- 336 - Fine Sal Soda.
Grasselli Chemical Co
Soda Crystal Washing Soda.
contains 37.06% soda. and
62.94% water.
- 337 - Virgin Crude Turps.
Hall & Peassall
Discontinued. Impossible to
get it light enough in color
sap from pine tree with some
of the most volatile oils
dried off.
- 338 - W A Manila Manila Gum
L. C. Gillespie.
- 339 - Yellow Precipitate of Mercury
Harshaw Fuller Goodwin Co
- 340 - Renos Rubber Filler.
- 341 - Muncy Black
Much like 42.
- 342 - Velvet Black

342 - Velvet Black.

Wilkes Martin Wilkes Co

95% Pure carbon

5% Ash Mineral Matter.

Very strong hiding power.

Detrimental effect on drying.

Varies considerably in strength. Many times very much stronger than would be expected of a black of this cheap character.

343 - Crown Golden Ochre.

J. Lee Smith Co

344 - Light Petroleum

Preplubic Oil Co

Much like Vaseline.

345 - SSB Kauri Gum

L. C. Gillespie.

11.3% - 131 3.0% - 330

.2% - 245 1.8% - short

82.01% - 254

Unsorted Kauri Brown, much like 256 but brown. Hill gum, dry and much harder than 253 and melts to a lighter color and gives a much better yield.

Pieces like 256

346 - Obsidium Pitch

Montreal.

- 347 Acid Rubine B B
C. Bischhoff
On order of DeepPOncean or
Claret Red. is an acid color
- 348 - Special Resinate.
S. W. Co
See (182) for mfg. instructions.
- 349 - Royle Durbar Red. (10109)
100% Pure Para.
- 350 - Maroon Lake.
Morris Hermann Co
- 351 - Special Blue(D378)-11022
- 352 - Special Bolted China Clay
C. K. Williams Co
- 353 - Bromo AcidBBX
H. A. Metz Co
Clean Blue shda. Brom Acid
of German Make. Acid instead
of Eosine a/c lower duty
on this.
- 354 - Iron Oxide Black.
Mohawk Paint & Chemical Co
97.99% Oxide of Iron Fe_3O_4
- 355 - Metallic Oxide Light.
G. S. Mephan Co
50% Oxide of Iron.
40% Silica.
balance, alumina, lime,
magnesia.

- 356 - Metallic Oxide Black.
discontinued 10/10/09
- 357 - White Glue.
Armour Glue Works.
- 358 - Champlain Princess Oxide.
Champlain Oxide Co
88% Oxide of Iron.
Same as 132, shade of 91
37.03# = 1 gal. & cwt. = 2.7 Gals.
- 359 - Bromo Acid A 3 G
D. C. Works.
- 360 - Calcium Chloride.
Solvay Calcium Chloride Co
- 361 - Azaphore Pink Base.
D. C. Works.
- 362 - Ammonia Alum.
Acetate of D. C. Works.
- 363 - Acetate of Soda.
D. C. Works.
- 364 - Mono Salt.
D. C. Works.
Is a dye chemical which, when
blended with 301 gives a
blue to Para Red.
- 365 - Ultra Blue substitute)11021)
D.C. Works.-Is an acid blue
dyestuff used in 11021
H. A. Metz Co

- 366 - Topping Blue.
D. C. Wks.
Is a basic Blue, used over
365 to brighten shade.
- 367 - Lake. Poncean B. Ext.
D. C. Works.
Is the lightest, cleanest,
and bluest shade of Scarlet
we use.
- 368 - Lump Crystal Alum.
D. C. Wks.
Is Aluminum Potassium sulphate
Call it true Alum.
Calumet Filter Alum is
Aluminum Sulphate.
- 369 - #600 Red. Oxide.
S. P. Wetherill Co
89% Oxide of Iron.
- 370 - Soda Ash.
- 371 - (Elberfield) Poncean Lake.
D. C. Color Wks.
- 372 - Special Green Lake Acid Green
D. C. Wks. D 464 (11039)
Somewhat soluble in Benzol.
- 373 - Corrossive Sublimate Powd.
S. W. Co. Newark
- 374 - Deep Durbar Toner (10125)