CATALOGUE

OF THE

West Virginia State Exhibit,

AT THE

INTERNATIONAL EXHIBITION

AT

Philadelphia, in 1876.

By M. F. MAURY,
DIRECTOR IN CHARGE.

PHILADELPHIA:
PRINTED FOR THE WEST VIRGINIA COMMISSION.
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CAMPBELL PRESS PRINT, CENTENNIAL GROUNDS.

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Of the Exhibit of the State of West Virginia at the International Exhibition, at Philadelphia, in 1876.

N. B.—THE NAME OF THE CONTRIBUTOR OF EACH ARTICLE IS IN ITALICS.

BARBOUR COUNTY.

No. 1. *Carbonate of Iron.* Seam 2 feet thick, from land of *H. L. Stout,* 2¼ miles south of Phillipi.

" 2. *Carbonate of Iron.* Seam 4 to 6 inches thick, on land of *H. L. Stout,* 4¼ miles south of Phillipi.

" 3. *Carbonate of Iron.* Seam 2 feet thick, on land of *H. L. Stout,* 2¼ miles south of Phillipi.

" 4. *Carbonate of Iron.* From lands of *Lewis Wilson and others,* on Valley River, near Phillipi.

" 5. *White Sand for Glass.* Deposit 3 to 5 feet thick, on land of *J. R. Williamson,* 3 miles from Phillipi.

BERKLEY COUNTY.

No. 6. *Yellow Corn.* Grown on common gravelly loam, by *Wm. Leigh,* Falling Waters. Yield 82 bushels per acre.

" 7. *Barley.*
" 8. *White Corn.* Shelled
" 9. *White Corn.*
" 10. *Yellow Corn.*
" 12. *Yellow Corn.*

J. Q. A. Nadenboush, Martinsburg.

BOONE COUNTY.

" 13. *Cannel Coal.* Section of the seam of the *Peytona Cannel Coal Co.* Maximum yield of gas per 2,240 pounds is 13,200 cubic feet of 32.16 candle power. At a yield of 10,000 cubic feet, the candle power is 41.16. The coal analyses:

Volatile matter	46
Fixed carbon	41
Ash	13
	100

" 14. *Smooth Cannel Coal,* from the Peytona Mines, *T. L. Broun.*

" 15. *Curly Cannel Coal,* from the Peytona Mines, *T. L. Broun.*

" 16. *Cannel Coal.* Seam 5 feet thick, in land of *A. Ball,* at the Court House.

No. 53. *Bituminous Coal* from a 4 feet seam on the Loup Creek 30,000 acre survey. *Beverly Cole*, Cotton Hill.

" 54. *Black Band Iron Ore* reported to be 30 inches thick. On Buckle Branch of Twenty Mile Creek. *Wm. M. Hill*, Gauley Bridge.

" 55. *Sandsttone* from the mouth of Gauley river, where it can be quarried in pieces 6 to 8 feet long. *J. H. Miller Jr.*, Gauley Bridge.

" 56. *White Flint Corn.* Yield, 40 bushels per acre. Grown by *J. G. Settle*, Cotton Hill.

" 57. *White Flint Corn.* Yield, 35bushels per acre. Grown on steep hillside, by *J. E. Dempsey*, Cotton Hill.

" 58. *White Mountain Corn.* Yield, 35 bushels per acre. Grown on land that has been cultivated for 24 consecutive years and never been fertilized in any manner. *Lewis Blake*, Cotton Hill.

" 59. *White Flint Corn.* Yield, 40 bushels per acre. Grown by *H. A. Robson*, Cotton Hill.

" 60. *Yellow Corn.* Yield, 50 bushels per acre. Grown on a steep hillside by *H. M. Dickinson*, Fayetteville.

" 61. *Mountain Corn.* Yield, 50 bushels per acre. *Wm. Settle*, Cotton Hill.

" 62. *White Flint Mountain Corn.* Yield 60 bushels per acre from new ground that had never been plowed before. *W. T. Harvey*, Cotton Hill.

" 63. *Red Lancaster Wheat.* Yield, 30 bushels per acre. *W. T. Harvey*, Cotton Hill.

" 64. *Bowden Winter Wheat.* Yield, 36 bushels per acre. *W. T. Harvey*, Cotton Hill.

" 65. *Bowden Winter Wheat.* Yield, 18 bushels per acre. Grown on steep hillside by *J. E. Dempsey*, Cotton Hill.

" 66. *Bowden Winter Wheat.* Yield, 20 bushels per acre. Grown on steep hillside by *J. G. Settle*, Cotton Hill.

" 67. *Rye.* Yield, 30 bushels per acre. *W. T. Harvey*, Cotton Hill.

" 68. *Buckwheat.* Yield, 50 bushels per acre. *J. G. Settle*, Cotton Hill.

" 69. *Spring Oats.* Yield, 30 bushels per acre. *A. P. Hashbarger*, Cotton Hill.

" 70. *Spring Oats.* Yield, 45 bushels per acre. *Jno. Marrs*, Cotton Hill.

" 71. *Winter Oats.* Yield, 47 bushels per acre. *Jno. Marrs*, Cotton Hill.

" 72. *White Oats.* Yield, 25 bushels per acre. Grown on a steep hillside by *J. E. Dempsey*, Cotton Hill.

" 73. *Timothy.* Yield, 4 tons per acre. Grown on level land by *J. E. Dempsey*, Cotton Hill.

" 74. *Orinoco Tobacco.* Yield, 500 pounds per acre. Grown on a south hillside by *Joe Crager*, Fayetteville.

" 75. *Orinoco Tobacco*, air cured. Yield, 825 pounds per acre. Grown by *W. T. Harvey*, Cotton Hill.

" 76. *Yellow Orinoco Tobacco.* Yield, 825 pounds per acre. Grown by *Jno. Nugen*, Cotton Hill.

" 77. *Orinoco Tobacco*, yellow lugs. Grown by *Jno. Nugen*, Cotton Hill.

" 78. *White Stem Tobacco.* Yield, 800 pounds per acre. Grown on steep mountain side by *William Carter*, Cotton Hill.

" 79. *Orinoco Tobacco.* Yield, 800 pounds per acre. Grown by *John J. Braughan*, Cotton Hill.

" 80. *Orinoco Tobacco.* Yield, 800 pounds per acre. Grown on steep hillside by *J. A. Dempsey*, Cotton Hill.

" 81. *Orinoco Tobacco.* Yield, 850 pounds per acre. Grown by *Wm. Settle*, Cotton Hill.

" 82. *Orinoco Tobacco.* Yield, 1,000 pounds per acre. Grown on hillside by *J. E. Dempsey*, Cotton Hill.

" 83. *Orinoco Tobacco.* Yield, 850 pounds per acre. Grown on steep hillside by *J. G. Settle*, Cotton Hill.

" 84. *Orinoco Tobacco*, air cured. Yield, 925 pounds per acre. Grown by *A. P. Hashbarger*, Cotton Hill.

" 85. *"Prime" Orinoco Tobacco,* } Yield, 1,000 pounds per acre. Charcoal
" 86. *"Seconds" Orinoco Tobacco,* } cured. Grown by R. B. Cassady, Cotton Hill.

No. 87. *White Flax.* Yield 2 tons per acre. Grown by *J. G Settle*, Cotton Hill.
" 88. *Veneers.* 20 specimens. *S. H. Brown*, Cotton Hill.
" 89. *Curled Ash* (board) } *J. B. Sinsel*, Cotton Hill.
" 90. *Straight* " " }

Common Name.	Botanical Name.	Contributor.
No. 91. *Dogwood,*	Cornus Florida,	
" 92. *Chittum,*	Halesia Tetraptera,	*J. H. Miller, Jr.*
" 93. *Papaw,*	Asimina Triloba.	
" 94. *Laurel,*	Rhododendron Maximum,	Gauley Bridge.
" 95. *Ivy,*	Kalmia Latifolia.	
" 96. *Grape Vine,*	Vitis Vulpina.	
" 97. *Camphor,* "		
" 98. *Virginia Creeper.*		
" 99. *Sweet Gum,*	Liquidambar Styraciflua.	

" 100. *Curled Walnut,* } *Dr. W. H. Letterman*, Cotton Hill.
" 101. *Curled Maple,* }
" 102. *Holly, J. M. Abbot*, Cotton Hill.
" 103. *Laurel Root, J. B. Keesey*, Cotton Hill.
" 104. *Blackberry Stalk.* Bush 18 feet high. *James Norton*, Cotton Hill.
" 105. *Osier Willows. Dr. W. H. Letterman.*
" 106. *White Oak Stave. James Guard*, Cotton Hill.
" 107. *Sample of Curled Maple. R. B. Cassady*, Cotton Hill.
" 108. *Molasses Shook. Daniel Heald*, Cotton Hill.
" 109. *Willow Basket. Mary E. Robson*, manufacturer, Cotton Hill.
" 110. *Carving Knife.* A "home made" article, by *Calvin Marrs*, blacksmith, Cotton Hill.

GILMER COUNTY.

No. 111. *White Corn.* Yield 55 bushels per acre, grown by *J. W. Fisher*, Tanners.
" 112. *Pupils' Work.* State Normal School, Glenville.

GRANT COUNTY.

No. 113. *Brown Hæmatite.* Vein 7 feet thick. *F. Lewis & Co.*, Greenland Gap.

Peroxide of Iron	75.033
Binoxide of Manganese	0.025
Silica	14.354
Alumina	7.445
Phosphoric Acid	2.020
Sulphuric Acid	0.240
Lime	0.521
Magnesia	0.230
Loss, &c	0.132
	100.000

Iron	52.52	per cent.
Phosphorus	0.88	"
Sulphur	0.096	"

" 114. *Fossilliferous Iron Ore.* Vein 13 feet thick. *F. Lewis & Co.*, Greenland Gap.

Peroxide of Iron	68.750
Silica	15.555
Phosphoric Acid	1.842
Sulphuric Acid	0.120
Alumina, Water and Loss	13.733
	100.000

Iron	48.130	per cent.
Phosphorus	0.803	"
Sulphur	0.048	"

No. 115. *Red Hæmatite*, mixed with some red fossil ore. Vein 18 feet thick. *F. Lewis & Co.*, Greenland Gap.
" 116. *Red Hæmatite.* Vein 8 feet thick. *F. Lewis & Co.*, Greenland Gap.
" 117. *Brown Hæmatite.* *F. Lewis & Co.*, Greenland Gap.

Note: The last five samples are from one mountain, and all different deposits.

" 118. *Calc Spar.* *F. Lewis & Co.*, Greenland Gap.
" 119. *Calcareous Marl* from Patterson's Creek. Has a surface of 6 or 8 acres and a depth of 25 to 30 feet; used for manuring. *J. V. Williams*, Williamsport.

GREENBRIER COUNTY.

No. 120. *Brown Hæmatite.* Seam is composed of 6 to 8 feet of clay and slate, colored with ferruginous matter, and filled with nodules of iron. Owing to the position of this ore on the hillside, it can easily be delivered in the cars by chutes, and no hauling will be necessary. On the land of *Cecil Clay* and *R. L. Kestor*, half a mile from Ronceverte Depot on the C. & O. R. R.
" 121. *Brown Hæmatite.*
" 122. " "
" 123. " "
" 124. " "
" 125. " "
} From Howard's Creek, on the land of *G. G. Peterkin.*
" 126. *Iron Ore* from the land of *G. W. Nickels*, Big Clear Creek.
" 127. *Gray Sandstone* for building. Heavy ledges of it on the land of *Cecil Clay* and *R. L. Kestor*, Ronceverte Depot, C. & O. R. R. On account of its admirable qualities, several thousand cubic yards were quarried and boated down the Greenbrier River to build the piers, &c., of the railroad bridge over that stream, though there are quarries much nearer the bridge. Stones 10 feet long were taken out.
" 128. *Chocolate Sandstone*, on the same land as the last. Has a local demand for building.
" 129. *Mill-stone Rock*, from land of *G. G. Peterkin*, Howard's Creek.
" 130. *Spotted Marble*, reported to be in an 18 inch bed, on the land of *Jas. Withrow*, Lewisburg.
" 131. *Black Marble*, from the same locality as the last. This deposit has only lately been noticed and nothing is known of the size.
" 132. *Blue Limestone*, from the line of the C. & O. R. R., *R. K. Cantley*, Lewisburg.

Carbonate Lime	93.76
Carbonate Magnesia	0.29
Carbonate Iron	0.38
Silica	3.92
Alumina	0.74
Water	0.76
Loss, etc	0.15
	100.00

Note: The next six specimens are from a quarry 50 feet deep, at Fort Spring on the C. & O. R. R., and the land of *Mathew Mann.*

" 133. *Limestone*, a very superior article from 1 to 10 feet thick. It is a good building stone and is the flux used at the Quinnimont Furnace, Fayette County.

Carbonate Lime	90.11
Carbonate Magnesia	2.49
Insoluble Silicious Matter	5.04
Oxide of Iron and Alumina	2.02
Water and Loss	0.34
	100.00

No. 134. *Limestone,* suitable for making lime for finishing purposes, makes a plaster of very fine quality, is very plentiful, easily worked, polishes well to a gray face.

" 135. *Limestone,* make a very superior lime.

" 136. *Limestone,* very abundant and one grade finer than the last.

" 137. *Limestone,* obtainable in any quantity, makes a fine quality of lime, is suitable for building purposes and is of very fine grain.

" 138. *Limestone,* coarse grain, in enormous quantities, is easily worked and makes a superior lime.

" 139. *Calc Spar. W. A. Alexander.*

" 140. *Bituminous Coal* from the land of *G. W. Nickell,* Big Clear Creek. It is the most easterly coal of the conglomerate series. Reported to be 4½ feet thick.

" 141. *Black Oxide of Manganese* from the land of *G. G. Peterkin,* Anthony's Creek.

" 142. *White Flint,* said to be useful in whitening white ware. Occurs along the ridge just east of Lewisburg in large quantities on the surface of the ground. *R. K. Cautley,* Lewisburg.

" 143. *Silicious Coral* from same locality as the last. *R. K. Cautley,* Lewisburg.

" 144. *Mineral Water* from Magnesia Spring, Colwell House, near White Sulphur Springs depot, C. & O. R. R. *Joel McPherson.* Solid contents of one imperial gallon:

Carbonate Lime	22.367	grains.
Carbonate Magnesia	11.160	"
Carbonate Iron	0.320	"
Sulphate Lime	21.010	"
Sulphate Magnesia	12.060	"
Sulphate Potash	1.460	"
Sulphate Soda	1.201	"
Sulphate Ammonia	0.179	"
Chloride Soda	1.260	"
Chloride Potash	1.742	"
Silica	0.860	"
Lithium	trace.	
Iodine	"	
Bromine	"	
Loss	0.043	"
Organic Matter	trace.	

" 145. *Mineral Water* from the land of *G. G. Peterkin,* one and a half miles from the White Sulphur Springs. Temperature, winter and summer, 59° F. No odor. Has been used for 10 years as a bath, and as such has an exceedingly tonic effect on the system and a very softening effect on the skin. Has been found particularly efficacious in rheumatism; generally after a few baths, the part affected appears covered with a rash, which gradually wears off and the rheumatism along with it. Some very bad cases have been completely cured. A qualitative analysis shows Aluminum, Magnesium, Calcium, Barium, Iron and Carbonate of Soda.

" 146. *Chalybeate Water* from the same land as the last. Temperature about 55° F. No odor. Has been used by many persons as a tonic with marked effects, and as such has been prescribed by the resident physicians.

" 147. *Chalybeate Water* from an untested spring on the land of *G. G. Peterkin,* who thinks it has the same properties as No. 146.

" 148. *White Sulphur Water* from the land of A. R. Humphreys, 1½ miles from Ronceverte. *Cecil Clay,* Ronceverte.

" 149. *Sulpho-Chalybeate Water* from the land of *Cecil Clay* and *R. L. Kestor,* a half a mile from Ronceverte Depot. It has been used by many people as a tonic, with marked effect.

" 150. *Chalybeate Water* from the same land as No. 149. Used as a tonic.