

Rustycoat. Mr. Joel Densmore, Noel, Cuzco and Garnet Chili. Rev. Dr. Forrester, Truro, Cuzco, Pink-eye Rustycoat, Coppermine, No. 380 (early), Gleason, Harrison, Goodrich Calico, Garnet Chili, No. 241. Michael Tobin, Esq., Dartmouth, Early Goodrich and No. 241. Horticultural Gardens, No. 380 and Harrison. Fruit Growers' Association (Dr. Hea), Early Goodrich and No. 241. F. R. Parker, Esq., Shubenacadie, Early Goodrich and No. 241. W. Ross, Esq., St. Ann's, Gleason and Goodrich Calico. John Campbell, Esq., Gleason and Goodrich Calico.

DESCRIPTION OF THE GOODRICH SEEDLING POTATOES.

Reference to these potatoes was contained in the first Report of the Board of Agriculture, presented to the Legislature in February last, and printed in the 2nd number of the *Journal of Agriculture*.

The late Rev. CHAUNCEY E. GOODRICH spent a large share of the last fifteen years of his life in the origination and test culture of new varieties of the Potato. During this time, he propagated directly from the seed-ball nearly or quite sixteen thousand plants, no two of them being exactly alike. The most of these new varieties, were grown from seed saved from potatoes that he imported, at great cost, from those sections in South America where the potato is an indigenous plant. Mr. Goodrich obtained twelve kinds of South American potatoes, but of these one only, which he named the Rough Purple Chili, was early enough to mature in this climate. The object the experimenter had in view was to obtain new, productive, and healthful kinds, of high quality, such as our fathers used to cultivate forty years ago. To accomplish so desirable an object, Mr. Goodrich spared neither labor, care, nor expense in the test culture of such a vast number of plants. All the young plants grown some years, after several years of patient trial, had finally to be rejected; while in others, only a single kind would be saved, as in 1853, when the Garnet Chili was the only variety, out of over seventeen hundred, that this patient and exact man thought worthy of continued propagation.

Out of the first twelve thousand kinds tested from one to five or six years previous to 1861, only fifteen varieties were named by Mr. Goodrich, and sent out in larger or smaller quantities. Since then, only a few other sorts have been spared for trial. In 1853, 4 and 5, he scattered his earliest named seedlings, and the Rough Purple Chili, almost broadcast over the country: so anxious was he to benefit the public that he did not always stop for compensation, but sent out, free, large assortments of his best seedlings to many of the Northern States.

The following are the principal named varieties that originated with Mr. Goodrich, and were first sent out by him. Samples of those marked with an asterisk (*) have been imported this season by the Board of Agri-

culture for experiment as to their suitability to the soils and climate of Nova Scotia.

1. **THE BLACK DIAMOND**.—A grand seedling of the Western Red, originated in 1852. Round, dark purple, yield good, matures with the season, bears no balls.

2. ***THE GARNET CHILI**.—Originated in 1853, from the Rough Purple Chili. It is round, a little inclined to be rough; light red, good table quality, and matures with the season, bears few balls. A standard kind.

3. **THE MOUNTAIN JUNE PINK EYE**.—Derived from the Old Early June, in 1853. Slightly rough; white, with purple splashes, and pink eyes; yield good and bears balls freely.

4. **UTICA PINK EYE**.—Brother of No. 1. Round, white, with splashes of pink and pink eyes; yield large; not entirely hardy, early, good quality, no balls.

5. **PALE BLUSH PINK EYE**.—From Western Red, in 1850. Round; a blush white when wet, with pink eyes; yield medium; moderately hardy; early, bears some balls.

6. **OVATE PERUVIAN**.—Originated in 1853, from a wild Peruvian; ovate, white, good yield, moderately hardy; rather early, and bears a few balls.

7. **NEW HARTFORD**.—Brother of No. 6. Longish, knotty, white; yield large, moderately hardy, bears ball freely.

8. **AMAZON**.—Seedling of a wild Peruvian, in 1855. Large, round, smooth, light red, yellow fleshed; yield large; a little earlier than Garnet Chili, bears some balls.

9. ***CUZCO**.—Origin same as No. 8. Round, large, deep eyed, white, sometimes slightly pinkish; yield very large; bears balls freely; a little too late for central New York, but is well reported of in the latitude of Philadelphia especially in 1864. It is highly productive.

10. **TITICACA**.—Brother of Nos. 8 and 9. Round, large, deep eyed; light red; yield good; bears balls moderately, and matures September 12th.

11. **CALLAO**.—Brother of the three previous. Very long, smooth, medium size; light purple, bears balls moderately, and matures with No. 8.

12. **CENTRAL CITY**.—Originated from No. 5, in 1856. Varying from roundish to kidney-shape; size, medium to large; white, with a pinkish hue at the root end; yield medium; ripe last of September, and bears a few balls.

13. **NEW KIDNEY**.—Brother of No. 12. Varying from egg to kidney-shape; smooth, size medium; pinkish white when first dug; yield large; matures September 12th, and no balls.

14. ***COPPER MINE**.—Brother of the last two. White, with a coppery hue; eyes pink; yield good, hardy here, but sometimes a white tender further south; matures about September 12th, and bears balls abundantly.

15. ***PINK EYE RUSTY COAT**.—Brother of the last three. Large, round; a brownish rusty coat, a little pink-eyed; yield large; hardy, matures last of September, and bears no balls here. A desirable sort.

16. **WHITE CHILI**.—Originated in 1856, the third generation in a direct line from an imported Chili. Round, white, hardy; yield large; but too late to mature here. A few only were sent out.

17. **ANDROS**.—Originated in 1857, a grand seedling of a wild Peruvian, as are Nos. 8 to 11. Round, large; white, with splashes of purple; yield very large; bears balls freely, but too late for culture here.

Of these seventeen sorts, the Garnet Chili, the Cuzco, the Copper Mine, and the Pink Eye Rusty Coat have proved themselves the most desirable; and by their hardiness in seasons of "potato disease," have saved the country millions of money.

The following sorts have not been sent out, except to a few on trial, until the past fall:

18. ***GOODRICH CALICO**.—A seedling of the Garnet Chili of 1859. Mr. Goodrich thus described it in his journal: "White, with irregular sharply defined splashes of red; longish, flattish, smooth, and most beautiful. Vines spreading and dark; leaves, large and dark; flowers, bright lilac; yield large; no (seed) balls." It ripens with or a little earlier than the Garnet Chili; cooks white and dry for a new seedling, and promises well for winter use. It is highly productive; planted three feet each way, on a fertile sod without manure, it yielded the past year nearly at the rate of four hundred (400) bushels to the acre.

19. ***EARLY GOODRICH**.—A seedling of the Cuzco of 1860. In 1862 Mr. Goodrich described it: "Round to longish, sometimes a crease at the insertion of the root; white, flowers bright lilac; (produces) many balls; yield large. Table quality is already very good. This sort is No. One every way." He said to me in the spring of 1864: "This early sort gives me more satisfaction than any other I have grown." It ripens with the old Early June; and though it matured the past season during the long drouth, it yielded over three hundred (300) bushels to the acre, grown as the Calico. It has thus far been perfectly hardy, and is the most promising early potato grown.

20. ***THE GLEASON**.—Also a seedling of 1860 of the Pink Eye Rusty Coat, No. 15. When two years old, Mr. Goodrich described it thus: "Longish, rusty, coppery; leaves and vines dark green; flowers white; a very hopeful sort." September 29th, 1863, at digging time, he added: "Very nice; many in the hill; no disease." The past season, 1861, under Dr. GRAY'S cultivation, this variety has yielded at the rate of over four hundred (400) bushels to the acre. The tubers are not overgrown, but numerous; have a fine grained solid flesh, that cooks white. For winter use this kind is highly promising.

*HARRISON.—A very productive sort, remarkably solid, and a promising sort for winter use. Not yet sent out except to the Board of Agriculture of Nova Scotia.

*241 (rather early.) Not yet sent out except to the Board of Agriculture of Nova Scotia.

*380 (very early.) Not yet sent out except to the Board of Agriculture of Nova Scotia.
D. S. HERRON.