

tree is round-headed and hardy; endures the heaviest frost and is an annual bearer. This excellent winter apple has no equal for productiveness and hardiness. It is a fine sort for commercial orchards and very useful as stock for grafting.

5. *Arabskoe* (Arabian).—Large, exceedingly waxen with dark violet blush, keeps till winter and is useful for cooking. The tree is not very productive.

6. *Titovka* colored, (Tetofsky).—Good and profitable variety for a small garden. The fruit is large, oblong, yellow, well colored sub-acid in taste. The tree is pyramidal, large and very hardy, fruits about the fourth year. It is necessary to cut off about one-half of the new wood every year. Not a very productive sort.

7. *Titovka White*.—This is like the former variety, but lighter in color; ripens about the beginning of September. The tree is pyramidal, leaves paler than the Tetofsky, abundant bearer. It is not as high priced in the market as the former.

8. *Vargulek*.—Medium size, skin yellowish; flesh sub-acid, juicy; ripens about the end of September; keeps well all winter. The tree is pyramidal, fruits early and abundant, not very hardy at Moscow.

9. *Koroboy* (Box apple).—Very small apple with long peduncles; skin leathery; ripens in August. The tree is pyramidal, long branches, fruits well and endures frost. This variety is particularly bought by confectioners to use in making up sugared fruits.

10. *Arcad fumed*.—Very sweet, small, round greenish yellow with red side; ripens in August. The tree very hardy.

11. *Arcad White*.—Very good quality, sweet, juicy, larger than the former. The tree grows round head, is productive and very hardy.

12. *Kolotareff*.—Medium size, greenish yellow, good quality, sub-acid; ripens in winter. Tree of spherical habit, leaf round dark green, skin on the young tree with white spots. At Moscow the tree endures the winter and grows still better in the more southern localities. This apple is highly prized in western Russia as a good market kind; keeps long without deteriorating.

13. *Aport* (Alexander).—A sort everywhere known. At Moscow it sometimes winter kills.

14.—*Borodovka*, or *Biel Borodoka*.—This variety is very large with pale crimson side and broken stripes, vinous and fine grained. Ripens in September, but does not keep long. The tree is large, pyramidal, long branches, leaf is large, dark green. It fruits through every year. Not hardy at Moscow. Price 3 to 4 rubles per pound. This variety always sells well on account of its size and beauty.

15. *Borovinka* (Borovisky, Charlamovsky, in America known as Duchess of Oldenburg).—Everywhere a reliable apple for its quality and productiveness, keeps till December, but no longer, for at that time he begins to crack and lose flavor. The tree is growing to the north of Moscow and there its fruits are more juicy than when grown farther south. Market size  $1\frac{1}{2}$  to 2 rubles per pound.

16. *Borovinka White*.—It is distinguished from the former only by the fact that there is no blush, and the color of the stripes is paler. This variety is grown in Germany and France under the name of Charlamovsky and Borovisky.

17. *Charlamov True*.—A large apple, light yellow without blush, sub-acid; ripens in the beginning of September. The tree is pyramidal, leaf round, twigs long and thick. Tender at Moscow.

18.—*Grushevka* (pear apple).—A little light yellow apple, crimson color, of excellent flavor, juicy; ripens about the end of August, and sometimes sooner. It will not keep there, it is only good for local markets. The tree is pyramidal, leaf narrow. An abundant and early bearer; hardy.

19. *Putim Early*.—Good quality, juicy, pale green, without blush, large apple. The tree pyramidal growth; an early, abundant and annual bearer; hardy. Cheap sort for local market uses. It is grown in large quantities in the Chervigov government.

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NOTE BY SECRETARY.—The above letter was received after the close of the winter meeting of 1891, but is herewith presented.