

branches give it a majestic appearance, and make it a very noticeable and attractive object. It is a rapid grower when once established, a specimen planted in the Arboretum in 1890 when fifteen inches high, being



FIG. 1764. BULL PINE (*Pinus ponderosa*),
C. E. F., 1899.

now fourteen feet eight inches in height. It is one of the most difficult pines to transplant, as there are very few fibres on the roots. Great care should be taken to not allow the roots to become dry. The trees should not be more than eighteen inches high when planted, after which they should be well looked after. (See Fig. 1764)

Dwarf Mountain Pine (*Pinus Montana Mughus*). On account of its dwarf, compact and symmetrical habit of growth, and its generally attractive appearance, this is a very desirable pine. It is a native of the mountains of Central Europe, but succeeds admirably in this country. The foliage is very similar to that of the Scotch Pine in some respects. It is a low growing tree, never probably attaining a height of more than ten to fifteen feet. Some specimens are dwarfer than others. This is a very desirable tree.

Swiss Stone Pine (*Pinus Cembra*). This pine is a native of Central Europe and northern Russia. It is pyramidal in form, with foliage somewhat resembling that of the White Pine, but while the latter is a loose growing tree the Stone Pine is very compact, and is one of the slowest growing trees at the Experimental Farm. A specimen planted in the Arboretum in 1889 when nine inches high, is now only two feet four inches in height.

Other pines which have been tested at the Central Experimental Farm and have proven hardy so far, are *Pinus contorta* and variety *Murrayana*, natives of the Rocky Mountains and coast ranges; *P. densiflora* and *P. Thunbergii*, natives of Japan, and *P. Penke*, native of Macedonia.

The pines are all interesting, and most of them are very ornamental. They should be planted in greater variety than they are at present.

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