

ONE WAY OF ESTIMATING TIMBER.

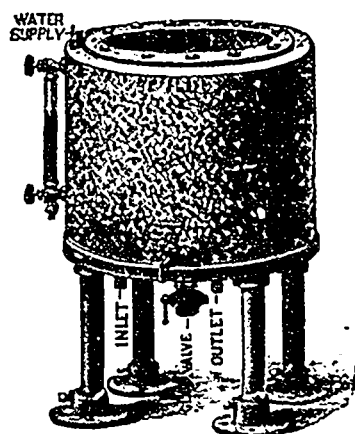
There are several methods of estimating the amount of standing timber on a given tract, and the following which is in use in states that have been ranged and sectionized, is as good as any:

Three hundred and thirty feet, which is one-fourth the distance along one side of a square containing forty acres, is called a "tally." This is equal to 125 paces of a good walker with a good pair of legs, or about 140 paces of an ordinary walker. The estimator, called timber cruiser in some parts, is accompanied by a compass man, who ought to be an experienced woodman. Assuming that a quarter section is

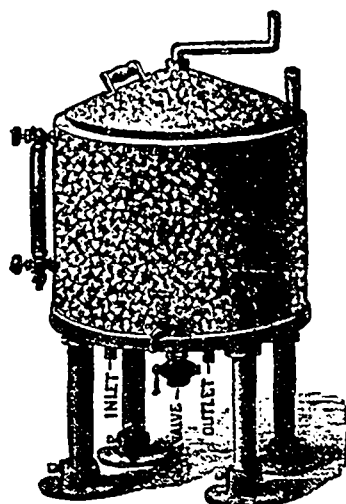
to be estimated, and that it is convenient to begin work at the southeast corner, the estimator calls to the compass man, "Go west." The compass man, starting from the corner, goes west 125 steps, more or less, according to the known length of his step, halts and calls out, "One tally west." The estimator calls, "Go north," and the compass man goes north the requisite number of steps and calls, "One tally north." The estimator goes to work by covering the $2\frac{1}{2}$ acre squares on either side of the compass man's line to an estimated distance of 125 steps in each direction. He then estimates for each important species the number of merchantable logs to the tree, the average number of logs to the 1,000 board measure feet, and the total number

of merchantable trees on the five acres covered. To aid in doing this he counts, perhaps several times a day, all the merchantable trees on average acres or quarter acres, stepping off and blazing a line around the acres and counting all the trees inside the lines, or he will stand in the centre of a one-quarter acre circle and count all the trees within a radius of sixty feet. This process gives the estimator a pretty correct amount of timber of each kind. This process is repeated until the entire tract is covered. The estimator makes a careful note of the character of the land and the probable cost of logging. Two good men can cover one quarter section a day, weather and other conditions being favorable.—Southern Lumberman.

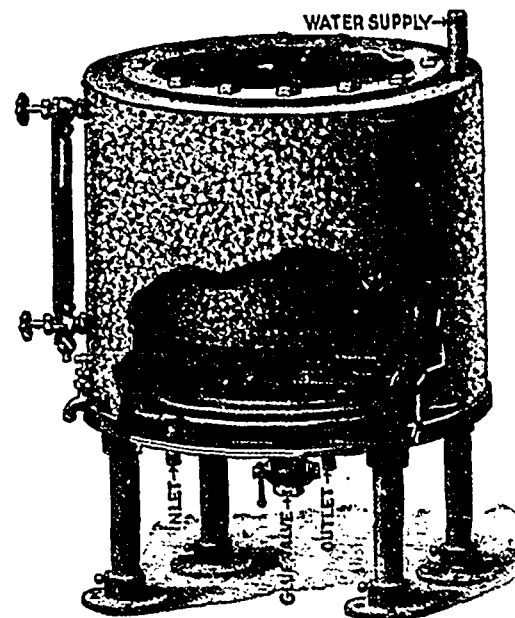
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