## THE STAR OF THE NORTH.

THE STAR OF TIE NORTH


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| where does wood come from. | ITAKE THINGSAS IFIND 'EM. <br> by slocum. |
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|  | chang |
| in mente of wod, emoll brien piees of the | or progeses or reiom; |
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| sition. Perhaps then, it may be said, the young plant obtains its wood from the earth in which it grows? | dis |
|  | ave em mas the |
| The following experiment will thow whett. |  |
| er this conjecture is likely to be correct or not. Two hundred pounds of earth were |  |
|  |  |
| dried in an oven, and afterwards put into a |  |
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|  |  |
| therein. Dur:ng the spuce of five years, the earth was carefully watered with rain-water |  |
| earth was carefully watered with rain-water or pure water. The willow grew and flourshed, and, to prevent the earth being mixed |  |
|  | The ${ }^{\text {c }}$ |
| with fresh earth or ditt being blown it bythe winds, it was covered with a meal plate the winds, it was covered with a metal plate,full of very minute toles, which would ex- |  |
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| clude everything but air from getting access 10 earth below it | Throughout the State Thicher bear the less. |
| After growing in the earth for five years, the tree was removed, and on being weigh od, was found to have gained one |  |
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| Ssimate did not include the weight of |  |
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| plication of the test. Was all this obtained arth? It had not sensibly dimin ished; but in order to make the experimen |  |
| conclusive, it was again dried in an oven andput in the balance. Astonishing was the re-sult-the earth weighed only two ounces |  |
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| less than it did when the willow was first plamed in it! yet the tree had gained one hundred and sixiy-four pounds. Manifestly, |  |
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| then, the wood thus gained in this space of tume was not obtained from the earth; we are |  |
|  |  |
| therefore compelled to repeat our question |  |
|  | mon |
| which it lived. It can be clearly shown that | And 1 leave 'em ast they ate. |
|  | do not 1 |
|  | 1 woula |
| derful conclusion, it was deived from |  |
| in it or Where thosogreal oceapapaess |  |
| of wood, which are as old as man's introduction ints Eden, ard wave in their vas but solitary luxuriance over the tertile hillsadd plains of South America, were these all |  |
|  | So I take things |



