
Tuesday, January 14, 1873.
Plowing by steam.
On the sth of
On the sth of November, on the seed-
farm of D. Iandroth, at, Blomsdole, ,ear
Bristol, Buceks county, Pennsylvania, a trial was made of the "Williamson roud and fild steamer," under the spervision
of the inventor, D. D. Williamson, of New York. The experiment is reported as ev-
tirely successfal. Mr. Willimsonss invention is an improvement on thio "Thompson
road stenmer" of Great Britain, consisting mainly in the antachment of vulcanized
rubber tires in such a way as to provent tho whecis from sinking in son soil, of
compresing it to an injurrious degree. The eport reproyents that the stoamer con-
 insid for driving thrashing and onther ma maty chines, will draw from twenty to thirty
tons of fright in wagons on any foit counng in dinmeter ito own length, wind Ilow,
on land suitaile for cultivation by bstam, from one to three acrese per hiour, nccording to length of hand and depth of furrow; and
costs, with plow and tackle complote, 85 , dibeription of ita nation by an eye-wituess No team of horses could have turned,
backed, and stopped with more faclity and cortainity. It was run up the steep bridge Coot in five, backed down, and run up onzin with the greatest ease and facility, For a couple of large farm wagons were coupled ehimd it in which about twenty of the of with us on tho public rond toward Bris hour; went through gates, turned in at bars, crossed soff gullies, went up sharp railroad.track, and down again on the
other side, and making a sloort turn, brought us back through a field of fifty the place of departure. The plowing was an averago depth of 9 inchese, much of it el furrown, as it appeared to us, could be made by any plowman, with a well-trined After being it was attached for a trial of plowing to the secured to one frame
On the way to the field the plows followcart. Not a moment was lost in gotting tough sod with a steep grade in the center The tripping of a lever by the fireman,
which he performed from his station at the boiler, let the plows into the ground, and
away rolled the steamer as straight as an over behind like so many waves. The work seemed perfect, each furrow being and depth. At the ascent of the grade in the middle of the field, no diminished speed bitrary and irresistible that no ording field obstructions could have resisted its of the field, the fireman pulled another the steamer spun aronnd on one wheel,
ran across the headland, and turning into "turn-bout." There was wo biteb no slipping or backing, but a simple, silent Triumph of good, sensible engineering.
We aro thus particular in describing ox actly what we saw and was witnessed with surprise and pleasure by the whole comperiment of stemm on the farm and on the ad
tجr The United States Commisioner of
agriculture in his late report speaks of Agriculture in his late report speaks of the demand for lumber shall ficrease in past twenty more than $\$ 200,000,000$ worth of sawed lumber will be needed each year, denuding more than $10,000,009$ acres timber each week-day in this country fuel, aud twice as much to foncing. ocomotives in this country consamo less than $7,000,000$ cords a year, or 500 but there is no doubt that it is sulbestantiolly, true, and the day in not far distant when

> LæF The Camadian way of measuring a tesque. You walk from the tree, looking When yon time to time between your kneess way, your dintance from the root of the know whether it is roliable.


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