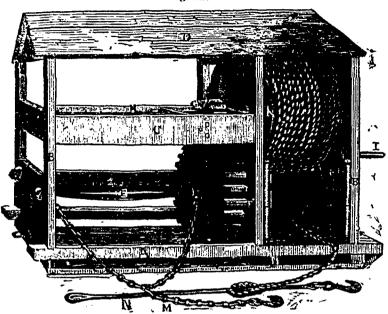
STUMP PULLING MACHINE.

A friend and inquirer, requested us to give some information in the columns of the Columnator, respecting the best mode of pulling up stumps from land. We have at considerable expense, had the following engraving executed by a young gendeman, living at the vicinity of this city, which gives an accurate idea of the machine.

As this machine is adapted to extract pine and hemlock stumps of the largest size, -a more simple and cheap plan may be practised to get rid of the ordinary nara-wood strings, with which this country abounds. The process is simply thus—procure a lever about 30 feet long, and 6 inches in diameter, fasien a sutticent length or cable chain around top part of the stamp, to which attach one end of the lever. The lever is then to be raised in a horizontal position,—a yoko of oxen fastened to the other end, but hade exertion will be required to raise stamps of 24 feet in diameter.





A, the sills on which the frame work is erect, attached to the machine by a number of connection; the side ones 74, and the cross ones 4 feet, mg rods (N) made of 1½ inch iron, 10 feet long, long, made of 5 meh square timber. Under these, with a strong book one cud and an eye the other, sills are three more cross-sills under which planks, as represented above. There should be a sufficient of a sled or scow, to facilitate the removal more. These rods cost less, and are much caster of the machine by dragging over the ground— handled than heavy chains.

BBB. the upwright posts, three on each side, 4. Now go on the other edge of the machine, and feet high, 3 by 4 inch sauff, the middle onestands on the upwright posts, level with the large shaft. Fig. 1972 from the front work of the machine pasts attached to heavy planes. feet high, 3 by 4 inch stall, the middle oldstand, on the upwright posts, even with the large shall, ing 2 feet from the front and 4 feet from the rear, you see two strong rings attached to heavy plates of the machine. C, girths 12 menes wide, 2½, of fron reaching to and forming boxes around thick, framed into posts. Several short girths of, the ends of the shall. To these rings two strong this description are framed across the machine chains are attached, by which the machine is and contain iron boxes for the shafts to turn in unchored to a stump or some other immoveable. D, the roof or cover, with 1 foot slope to protect. It will readily be seen that the power the reading from the fractions as the D, the root or cover, with I toot slope to protect, object. It will readily be seen that the power the machine from wet. E, a large cast iron shaft, acts as much on one side of the machine as the 4 feet long, 5½ inches in diameter at the ands and other, and consequently it must be firmly secured to seven the middle, on one of which is a strong cast iron spur wheel (F) 3½ feet in diameter, with 54 cogs. G, a pinion wheel 7½ to be extracted, and anchoring the machine to inches in diameter, with 9 cogs to mesh into the spur wheel, and placed on a wrought iron shaft. The usual plan is, to commence thine, 2½ inches square near the minon wheel, operating near the outside of the lot, and after chine, 21 inches square near the pinion wheel, operating near the outside of the lot, and after but tapering towards each end. I, the crank, fastening the machine to a firm stump, extract all outside, in front of the machine, on the end of the within the reach of the chains, leaving only one outside, in front of the machine, on the end of the within the reach of the chains, leaving only one wrought iron shaft, by which to wind up the good one within reach to which it may next be slack of the rope, and the same time unwind the fastened in order to extract the formerone. If the chain. K, a wooden drum, 3½ feet in diameter, desired to extract a stump where there is no other and 1½ wide, attached to the shaft by iron arms, or one to which to fasten the machine, a hole around which winds a strong rope 1½ meh in must be dag in the ground and a strong post set diameter, 150 feet long, to the end of which the in it, well braced to the top on the side towards power is applied. LL, two rollers to prevent, the machine, place the chain around it close to the friction of the rope against the sides of the the ground, and if the stump is not terr strongly.

togemer and is united by a triangular link and small which with a hook and swivel, as shown in the engrav-inmense power. A single yoke of oxen drawing. The chain must be very strong, made of the ing on the rope gives a power equal to thirty-fire best of iron, the single part of 1½ and the double or forty yoke on the chain; so that some thing 1½ meh wire, the links small and short like ship, must inevitably give way. It will readily be seen cable. Another strong chain 10 or 12 feet long, that the machine must be well made, and the with a hook one end and a ring the other. Is chain very strong especially if large and firmly with a hook one end and a ring the other, is chain very strong, especially if large and firmly placed around the top of the stump miended to record stumps are to be pulled.—Gen. Far sectracted, and this is connected with the chain

A, the sills on which the frame work is erect, attached to the machine by a number of connect-

around which winds a strong rope 14 inch in insist be dig in the ground and a strong post set diameter, 150 feet long, to the end of which the in it, well braced to the top on the side towards power is applied. LL, two rollers to prevent the machine, place the chain around it closs to the friction of the rope against the sides of the the ground, and if the stump is not very strongly indicated to each end of the irot shall, by a strong built and screw, and extinuation appear obvious to all. A toke of oxen the state of the chain very slovely, but with the restends single 4 feet further and terminates, so as to wind up the chain very slovely, but with the restends single 4 feet further and terminates, so as to wind up the chain very slovely, but with the restends single 4 feet further and terminates, so as to wind up the chain very slovely, but with the restends single 4 feet further and terminates, so as to wind up the chain very slovely, but with a hook and swivel, as shown in the engrav-inneense power. A single yoke of oxen drawing. The chain must be very strong, made of the image on the rope gives a power equal to thirty-fice.

TORONTO MARKETS:

For the recek ending 1st March, 1842.

| Wheat, per bushel, | 5 | 0 | a | 5 | 6 | |
|---------------------------------|----|----|------------------|----|----|--|
| Barley, do | 1 | 3 | 4 | 1 | 8 | |
| Oats, do | 1 | 3 | \boldsymbol{a} | 1 | 6 | |
| Flour, Fermers', per bbl | 25 | 0 | a | 27 | 6 | |
| l'lour, Millers', warranted, do | 30 | 0 | a | 0 | 0 | |
| Oatmeal, warranted, per bbl | | 3 | \boldsymbol{a} | 22 | 6 | |
| Beef, per cwt. | 17 | 6 | а | 20 | 0 | |
| Mutton, per lb | 0 | 3 | a | 0 | 4 | |
| Pork, per 100 lbs | 12 | 6 | \boldsymbol{a} | 18 | 9 | |
| Geese, each | 1 | 3 | a | 2 | 0 | |
| Turkies, do | 3 | 0 | a | 4 | 0 | |
| Fowls, per pair, | 1 | 3 | a | 1 | 6 | |
| Ducks, do | 1 | 4 | a | 2 | 0 | |
| Eggs, per dozen, | 0 | 6 | a | 0 | 71 | |
| Butter, in tubs, per lb | 0 | 54 | a | 0 | 7 | |
| Butter, in rolls, do | 0 | 73 | a | 0 | 9 | |
| Potatoes, per bushel, | í | 0 | a | 1 | 3 | |
| Hay, per tou, | 60 | 0 | G | 75 | 0 | |
| Contents of this Number. | | | | | | |

| Contents of this Number. | age |
|--|-----|
| Remarks by the Proprietor—Potatoe Planting—Revolving Horse Rake | 33 |
| Resolutions and By-laws of an Agricultural Society, at the first settlement of the country, Winnowing Machine—Location of Farm Buildings | 34 |
| Buildings | 35 |
| Royal Agricultural Society of England | 36 |
| Means of increasing the Productive Powers | |
| of Soils—Hens—Hay Rack—Spaying | 33 |
| Farm Account—Gynsum | 39 |
| Farm Account—Gypsum, | 40 |
| The Dairy | 41 |
| Turmp Sheer-Age of the Horse-Facts in | |
| Chemistry—Fallows, | 42 |
| Improved Straw Cutter, | 43 |
| | 44 |
| Original Communications, | 45 |
| The Timber Trade—Manure—Maxims | 40 |
| Intercourse of British America with other | 40. |
| countries-Domestic Economy, | 46 |
| Making Mince Pies-Durham Agricultural | |
| Society-Useful Receipts | 47 |
| Stump Pulling Machine-Markets-Terms | 48 |
| 1 | |

| ILLUSTRATIONS. | |
|------------------------------|------|
| g. 5-Revolving Horse Rake, | . 33 |
| g. 6-Winnowing Machine, | . 35 |
| g. O-11 milo aing machined | 33 |
| g. 7—IIay Rack, | |
| g. 8 and 9-Turnip Slicers, | . 42 |
| g. 10-Straw Cutter, | . 43 |
| g. 11-Stump Pulling Machine. | AR |
| | |

ST. CATHARINES' NURSERY. THE Subscriber begs to call the attention of the public to his well selected Stock of FRUIT TREES, which will be warranted to their soris.

CHAUNCEY BEADLE.

St. Catharines, March 1. 1842.

N. B.—The Proprietor of the Bratish American Cultivator, and Mr. George Leslie, King Street, Toronto, will receive orders for trees, from the above Nursery.

PUBLISHED MONTHLY.

WM. EVANS-EDITOR. W. G. EDMUNDSON—PROPRIETOR.

TERMS:

ONE DOLLAR PER ANNUM, (INCLUDING POSTAGE.) PAYABLE ALWAYS IN ADVANCE.

thorised Agents.

PUBLISHED AT

Lesslie, Brothers, Printing Office. Every description of Letter Press Printing executed with facility and neatness; on moderate terms: