The Maine Law in Canada.

measure, to arrest the fearful progress of inbroils in families, public disorders—to dry up the widows' tears, and clothe and educate the tagged and ignorant children of the inebriate -but to save the nation from pestilence and famine—from the just judgments of Jehovah. "iduals; and unless the nation of which we form a part does not repent of its national sins, and frame its laws in accordance with the Divine Law, it must incur the penalty of that law. There is no greater evil than in ed him with such a lean and hungry look, that he tree, which will cause great injury, if not out tearing the roots or bruising the stem temperance. There is no one business more at once divided his dinner with him, and before it death. To do the work well, the earth must not after the recommendation published some destructive to the temporal and eternal inte- was concluded he gave the dilapidated Postmaster be fine, and gradually sifted in from the sho- years ago, as a very careful mode of removing, rests of the human family than the liquor bu. General an interest in his telegraph Patent, which vel, spreading out all the roots with the fin- "cutting the roots with an axe, and dragging siness. It spreads desolation far and wide, and, like the deadly simoon, sweeps over this fair land, and the high and the low, and the There are now 41,392 miles of telegraph wires proud and the humble, wither and die before in this country, with a capital stock of \$6,671,800. its burning breath. It is a national sin; and Professor Shaffner is about perfecting a system of abundant moisture, and leaving the tree firm. of leaves, the draught is less severe on the if the nation would clear its skirts of the blood union and concert of the various lines in this counof its subjects, and stand before Heaven justified, it must wipe out from its statute book laid, connecting us with the Transatlantic Tele-dy described. those laws which license this monster fiend to ourse our land, and banish at once and forever the cause of all this sorrow, woe, misery, lamentation, and temporal and eternal death.

NEW SMOKE CONSUMING GRATE.-Dr. Neil Arnott, to whom the public owe the invention of the stove which bears his name, the water-bed, the chimney shaft ventilator, and several other ingenious and useful contrivances, has recently effected improvements upon the principle of Cutler's stove, whereby, at a very moderate expense, ordinary fire-places can be made to consume their in China, to the late distinguished soldier, Sir C. own smoke, while the amount of fuel requisite to maintain an agreeable temperature in an apart- historian of the Peninsu ar War. ment is greatly economized. These results are attained by the simplest means, and the fire, once ignited, requires no feeding and hardly any attention throughout the day. The supply of fresh coals is put in below, the coked cinders left from rank of Rear-Admiral; and in May, 1853, he obthe previous day's consumption being piled at the tained his present station of Vice-Admiral. top and igniting readily. A rod attached to the bottom of the grate (which is moveable) and descending from it perpendicularly into the hearth, is raised, as occasion requires, by a lever, thus carry. ing the coals upwards, where, in contact with the superincumbent embers, they gradually distil their gases. These gases, instead of passing away as smoke, and being wasted, are consumed for transplanting trees, the following direcwhile struggling to escape through the fire above them. In the grates at present used fresh fuel is always supplied at the top of the grate, where 3-4ths of it is entirely lost for heating purposes.— At every fresh resort to the scuttle the cheerful mense advantage to those who are interesappearance of the fireplace is destroyed; the ted in the transplantation and growth of poker is constantly resorted to for relief. Tongs trees.]-ED. and shovel are also necessary adjuncts to the hearth, and, besides the internal discomforts, everybody knows that this is one of the chief causes of the murky atmosphere in which the inhabitants of art of altering the locality of a growing tree; with litter, leaves, or similar substances, for earth to be removed entire upon the roots. all our large towns are compelled to live. Cutler's stove was invented many years ago to obviate these evils, but, though the principle involved in it, that of kindling the fire at the top and supply
art of altering the locality of a growing tree; but while so many trees are lost, and a still several feet each way round the tree, during the hot and dry part of the year. It obviates hold the tree stiff against the wind without watering, and assists to an almost incredible any staking. When this has been done, we degree the growth of the tree. ing the fuel from beneath, was the sound one, the with. mechanical details were so defective that it fell All the different parts of this work, come into disuse. Dr. Arnott secures the same results under one general requisite for success—which by the simplest means, and he has also applied is, to take the tree up and set it out again just an important feature to the original invention by giving to the connexion between the grate and the as it previously stood, with as little violence feel the difference between bare lines of build- mat of roots, all near the surface; cutting chimney shaft a funnel-shaped form, terminating to the different parts as practicable. in a throttle valve. This valve can be regulated to any size, and gives the occupier of an apartment up the roots as nearly whole or uninjured as the interminable beauty of masses of green the roots and muck peeling readily off from complete control over the current of air passing up may be done. Instead of cutting off the roots foliage, and the refreshing shade of our finest the hard-pan. into the chimney. For want of that control, and close to the tree, the spade must be set far forest trees planted in villages and by roadfrom our chimneys being constructed of such an back from it; and if the tree be of such sort sides, on the other,—we would remind these ent forms of the smoke nuisance are greatly aggra as has tough roots, it should be slowly drawn that the time has now come for action—no the cheerful blaze of the hearth to which they had out, earth and all, and the earth removed afbeen accustomed, and there were other objections terwards by shaking. The roots of a young ing article on transplanting fruit trees, are to it equally well founded. Dr. Arnott's new grate tree usually extend in a circle equal in breadth equally applicable to shade tree. But there is the trouble so far as to be almost self-acting, consumes the gases hitherto wasted, leaves the external air untainted, effects a saving of at least cut off, even in a careful lifting of a good of water down hill, and that is, the trees after one-half in fuel, and can be applied to nearly all sized tree the ten much sweet ternal air untainted, effects a saving of at least cut off, even in a careful lifting of a good of water down hill, and that is, the trees after oil as will soften them into the consistency of fireplaces at a triffing cost. In relation to the recent extravagant price of coals, it may be inter
apple trees, one half of last year's shoots should trees five inches through, which had been from the fire till quite cool. Keep it from the cent extravagant price of coals, it may be inter-esting to householders to know that with this grate be cut off, and two-thirds or three quarters moved with nearly a ton of earth on the roots, 18lb. of coal will keep a moderate-sized room at a temperature of 65 degrees for 24 hours.—London paper.

flowers which were blooming there quietly in the them in a bed of soft mud, made on purpose, such a disaster, "but will be consoled by the We need, says the Canada Christian Advo- brightness of a Sunday morning. The possessor which coats over the roots and preserves the assurance that the owner never knew his horse cate, the Maine Law, or some more stringent came forth from his little cottage—he was a woodcutter by trade-and spent the whole week at his work in the woods. He had come into his garden temperance. We need it not only to save in- to gather flowers to stick in his coat when he went in wet moss for sending long distances. Trees veterate drunkards from being frozen to death, to church. He saw the boy, and breaking off the received from a nursery should always be imbut to keep our young men from being drunk- most beautiful of his carnations-it was streak- mediately buried at the roots in mellow stil, ards, and our young women from becoming ed with red and white—gave it to him. The so that one by on carnation has long since withered, but in the mind moist as wanted. of that boy it now blooms afresh.-Douglas Jerrold.

Morse was just erecting the first experimental line of Telegraphs, between Washington and Baltimore. Professor Morse, like all scientific bene-God deals with nations as he does with indi-factors, had exhausted his means, and had become value. as poor as Lazarus, and as lean and hungry looking as any veritable Calvin Edson you ever saw. compactly among the roots, leaving no inter-corresponding size. One day while eating a sumptuous dinner of bread stices. If the earth is hastily and carelessly and molasses under the shade of a tree, about two thrown in, vacancies will be left beneath the three feet from the stem, and lift it out withhas since made these two shadows of a shade, gers as the work proceeds. Dashing in a few the trees out with a yoke of oxen." corpulent with wealth. They now "have lands quarts of water before the hole is filled, setand beeves," like master Robert Shallow, Esquire. try, with the prospect of an ocean line soon to be is assisted by the mudding of the roots, alreathe wind has less power on the tree. graph; so that the close neighbourhood of nations may be considered as settled. - N. Y. paper.

> SIR CHARLES NAPIER.—Sir Charles Napier was born on the 6th of March, 1786, and is the eldest son of the Hon. Charles Napier, of Mur-Lanarkshire. The gallant Admiral is grandson, by a first marriage, of Francis, fifth Lord Napier, brother to Colonel Thomas Erskine Napier, and cousin to Lord Napier, R. N., who, in 1834, died J. Napier, and to Major Gen. Sir W. Napier, the

> active service. In 1846 he was promoted to the

Che Farm.

HORTICULTURE.

As this is the proper season of the year tions extracted from the "Albany Cultivator' are just in point. A careful observance of these simple rules will be found to be of im-

TRANSPLANTING.

vated. The common stove overcomes these evils, up by the strength of two or three men; but delay must be made, if another whole year is but then people could not bear to be shut out from if the roots are tender, the tree must be lifted too valuable to be lost. to its height.

this proportion of the shoots may be cut en- of pigs and cattle. The best, most substantirely out; but if the head is thin, one-half to tial, and most durable protection, consists of PLEASURE. Blessed be the hand that prepares three-quarters of each shoot may be cut. So three posts in the form of an equilateral triana pleasure for a child! for there is no saying when great is the advantage of thus rendering the gle, enclosing the tree, with horizontal cross of borax, one drachm of Roman alum, one

til they can be again set in earth, or packed his horse at --- the end of their journey!" The so that one by one can be taken out fresh and

Careless operators often take up trees and suffer them to remain more or less dried for NEVER DISPAIR.—Ten years ago Professor whole days together; all the smaller fibres are thus killed, and the erroneous notion has

There are several other points of minor importance, or occasionally very necessary, as paring off all bruised parts of the roots before re-setting; staking up the sten or throwing a bank of earth up around it, to prevent sha chiston Hall, in the county of sterling, a captain king about by the wind; avoiding a water in the Royal Navy, by his second wife, Christian, soaked soil; planting no deeper than the tree daughter of Gabriel Hamilton, Esq., of Westburn, stood before,-or even placing the tree on the surface, and embanking upon it, if the soil be wet; and keeping the stem and branches with litter, in a circle six feet in diameter. moist, but not watering the roots, if the tree The soil can not be easily cultivated, and this is too much dried, till the leaves appear.

The subsequent success and vigorous growth of the tree, depend on three requisites. Sir Charles entered the navy in 1799, on board 1. First and most important, is a fertile soil. handsome, rich, dense masses of foliage, in the Martin sloop, as a midshipman before he was This may be secured for the tree while young less time than those which are carelessly torn by digging large holes, and filling them (ex- from the earth and hastily planted like a fence cept in immediate contact with the roots) with post, can recover from the violence which very tich soil, or with short manure well mix- they have received. It is better to plant ten ed with soil. Young apple trees, as large as trees well, than twenty or thirty badly. a riding stick, with holes seven feet in diamealthough immeasurably less so than sown of any detriment. As a general rule, such crops or grass. 3. A third requisite is mul-trees have succeeded much the best with us. ching during dry seasons. This consists This is also, particularly the case with ever-Much has been said on this very important merely in covering the ground 6 inches thick greens, which always need a large cake of

Street Shade Trees.

ings, and dry, glaring, and dusty streets, on round one with a spade, allows the tree to be 1. One of the most obvious points, is to take the one hand,—and the softness, luxuriance, taken up with great ease, the whole mass of

one all essential part of the work, without dicine:- Take one ounce of beeswax, with

moisture for a long time on their surface, un- to do so before-and you will wish him and

A few brief directions for planting shade trees, may be summed up as follows:

- 1. Dig the hole befor the tree is taken up, for being large, its roots cannot be so easily protected from drying as a smaller tree, and it should therefore be out of the ground as short a period as possible.
- 2. If the trees are two to three inches in hence arisen, that the smaller fibres are of no diameter, the holes must not be less than six feet in diameter, and a foot and a-half deep, 3. A third requisite is to replace the earth and the roots of the tree taken up, of nearly
 - 3. Cut round the tree two and a-half or
- 4. Cut off or thin out one-half or threetles the earth well against all the roots, the fourths of the top, having an eye to the future surrounding earth soon absorbing the super-shape of the tree. This lessens the number
 - 5. Plant the tree no deeper than before; as some one quaintly remarks, "nature has attended to the growing of trees some six thousand years, and can not in this particular be improved upon."
 - 6. As soon as the tree is set, then immediately erect the tripod-protection, already de-
 - 7. Cover the ground several inches deep mulching is the best substitute.

Trees treated accordingly to these rules, will begin to grow immediately, and will form

Trees which have grown in the open ground ter thus filled, have borne a bushel of fruit are hardier and far better than those taken each the fifth summer. By the time the roots from the forest. Thick woods afford almost have run between these holes, the rest of the the protection of a green house; and trees reground may have been enriched and deepened moved from them and set out in open air ofby manuring and plowing, 2. A second re- ten perish solely in consequence of their tenquisite, scarcely less essential, and indeed of-derness. Those from borders of swamps are ten more so with peach and some other trees, often better than those from upland, the soft is to keep the soil mellow and clean at all mucky soil more perfectly admitting the entimes of the season. Even a crop of potatoes tire removal of the roots. The dissimilarity or ruta bagas lessen the growth of the trees, of soil where they are placed, rarely proves have never lost a single evergreen tree by transplanting. In the borders of swamps, where the muck is shallow on a hard-pan, the We would briefly remind those who can roots of evergreen trees usually form a thick

DOMESTIC RECEIPTS.

To Cure A Burn.—A quakeress preacher in New York, was so successful in curing burns, that many of the lower class supposed cles. The following is the receipt for the meair in a tight box or jar. When used spread it thinly on a cloth, and apply it to the part injured. Open the burn with a needle to let

WASH FOR SUNBURN .- Take two drachms and where it may again bloom forth. Does not top lighter, that no person who has once given pieces, or boards securely nailed to the posts. drachm of camphor, half an ounce of sugaralmost every body remember some kind-hearted it a fair trial, can easily be induced ever to This frame will besides prevent those, who candy, and a pound of ox-gall. Mix, and stir man who showed him a kindness in the quiet days omit it.

The writer of this recollects himself at this moment a bare-footed lad. standing at the wooden fence of a poor little garden in his native village; with longing eyes he gazed on the for this reason it is very useful to plunge ly vexed," says a late writer, in allusion to through blotting paper, and bottle up for use.