

MECHANICAL.

We noticed the other day, at Mr. McPherson's carriage and wagon factory on Richmond St., an application of an iron band below the axle-tree of one of the patent ironed wagons. We formerly used this class of wagon on our farm and never had any kind run better, but, on account of the breakage close to the iron, that continually took place, we abandoned them. By Mr. McPherson's application the cause of breakage is removed and we think the use of that kind of wagon will come in vogue again. Mr. M. has numerous handsome, well-constructed carriages and democrat wagons; one very nice one we noticed was sold to Mr. J. Mason, a farmer of Westminster, for the sum of \$200. If you want a good vehicle give him a call.

TRUTH DREADS NOTHING.—He who worships at the shrine of Truth cannot be bigoted. He knows Truth can never suffer from investigation. It is Error that loves the night and gloomy caverns. Her dress is dark, and, in short, there is nothing but darkness about her. Darkness is her mother; and she is akin to nothing that is bright, glowing or beautiful. But truth courts investigation. Her dwelling place is in the light. Her mild glowing countenance blushes not at the most scrutinizing gaze. While Error lies trembling lest reason should make new discoveries that will weaken her, Truth stands and gives man a smile of approbation for his encouragement. If you love truth, be not afraid to investigate. If you entertain opinions that you dare not risk against the attack of their opponents, it is good evidence that they are unsound.

LIQUID GRAFTING WAX.—The following are the ingredients and their proportions of an excellent liquid grafting wax, which is a durable application for all wounds on trees:—One pound resin; one ounce beef tallow; one table spoonful of spirits of turpentine; five or six ounces alcohol, ninety-five per cent. Melt the resin over a slow fire; when melted take it off and add the beef tallow, stirring it constantly; let it cool down somewhat, mix the spirits of turpentine little by little with it, and at last the alcohol in the same way. Should the alcohol be added while the mass is too hot much will be lost by evaporation, if it is too cold a viscid lump will form, and it must be slightly heated again. In well corked bottles it keeps for years. If it grows too thick in course of time thin with alcohol, and for this purpose it must always be warmed.

A NEW CATTLE DISEASE.—It would appear from the Western papers that a fatal cattle disease is now raging in some portions of Illinois. It generally proves fa-

tal within a few hours; but its name and nature has not yet been determined. The *Ingersoll Chronicle* says: Several of the cows of Mr. Samuel Allan of North Oxford, have been attacked with a strange and extraordinary disease. The cows will not eat or drink. Mr. Allan has applied to several persons, but can gain no information as to the nature of the complaint. It is possible but not probable, that the disease is hydrophobia. Some have expressed the opinion that the cows have been attacked with that dreadful disease—so fatal to cattle in the old country—rinderpest. Mr. Allan would be glad to get any information that would tend to solve the mystery.—*Goderich Star*.

PEAR AND APPLE TREE ARBORS.

Many persons appropriate the ground devoted to the main walks in their gardens by planting grapes, and so training them as to form an arbor under which they walk. It is undoubtedly a good plan, but by reason of the frequent renewal of trellis, or at first forming it of iron, is rather an expensive one. The apple and pear tree may be just as easily bent and trained to form arbors and produce fruit as the grape; and with this advantage, that when once formed they will continue the arbor of their own strength, and form without the aid of wire or slat-trellis. We grow fruit so easily, as yet, and land is so cheap, that we practice little economy in use of land, or study little the facility by which the growth of tree and plant may be directed to any point or form.—*The Horticulturist*.

EMPORIUM.

It is known to our readers that the Emporium plan originated with us and that we have labored incessantly to establish it for the past four years and spared neither ourselves or our means to bring it into operation. It is now in operation and the inhabitants throughout the Dominion just begin to appreciate its utility. A very large, profitable and beneficial business may be immediately built on its foundation. We had expected the leading men in the country to have publicly taken it up ere now, still we find it necessary to draw on our limited means to bring it before the Legislature or wait till some leading person in Canada would take it up and use influence to bring it forward. There are sufficient now ready to assist it if it should be properly explained. In previous numbers we said so much about it that we deem repetition wearisome, hoping these remarks will cause some one to act in our behalf.

There are some hundreds of persons indebted to us, some by note some by book account, some for papers sent; hundreds are receiving the paper that have neglected to renew their subscriptions, and have been in receipt of the same since the 1st of Jan. some for a longer date. We respectfully request all to pay up without further delay. We wish to add no expence to anyone. We have payments to meet. Our labors are for the good of every man in the Dominion. Be no longer in arrears. We return thanks for all prompt payments received. Please show your paper to the most enterprising of your acquaintances, and assist us in this public improvement.

KEEPING FURS.—The ladies are often anxious about keeping furs free from moths during the summer months. Some one advertises to send the requisite information for \$1. Darkness is all that is necessary. The "miller" that deposits the eggs from which moths are hatched, only moves in light; the moths themselves work in darkness. Hang the furs in a very dark closet, and keep the door shut; keep it always dark, and you can have no trouble. But as closet doors are sometimes left open, the better way is to enclose the articles loosely in a paper box, put this in a pillow-case, or wrap around with cloth, and hang up in a dark closet. Camphor, spices, or perfume, are of no use. Continual darkness is sufficient. And do not take out the furs in June or July to give them an "airing," for even then cometh the enemy, and it may be that in fifteen minutes after exposure, has deposited an hundred eggs. If you consider an airing indispensable give the furs a good switching and put them quickly back.—COUNTRY GENTLEMAN.

EDITOR'S TABLE.

We are in receipt of a very nice book, well bound, good type, superior paper, and containing very good reading matter. It is called The "Gospel in the Trees." It is published and presented to us by S.W. Daughaday & Co 424 Walnut St. Philadelphia Pa. We quote the following from the chapter on the "Cedar Tree:"

"While cedar grows, and upward shoots,
And downward sends its tender roots—
Defiance giving to the blast,
As through its leaves it rushes past—
Remember, friends, the soul shall live
In worlds on high. Then who would grieve,
Since death is only a remove
From storm below to calm above?"

Refined saltpetre is one of the best remedies for sore gums or throats. Take a bit as big as a pea and let it slowly dissolve in the mouth, and from time to time repeat this; and great relief will be experienced.