

PUBLISHED SEMI-MONTHLY.

The only Newspaper devoted to the Lumber and Timber Industries published in Carada

82.00 PER ANNUM

VOL. 3.

PETERBOROUGH, ONT., JANUARY 15, 1883.

NO. 2.

PROSPECTS IN SWEDEN.

The Stockholm correspondent of the Timber Trades Journal says :-- Work has now commonced in the woods ir some places, while the pro coss of forming gauge in others is in progress. Heavy masses of snow have fallen before the ground and morasses were properly frozen, artificial means will have to be used in many cases before "driving" can be resorted to. There is at present every disposition to restrict the "get" of logs to a moderate quantity; and this will probably be the advice given to mem bers at the forthcoming meeting of the society of taw mill owners and timber exporters, to be held here on December 16th. It is hard to say whether this advice will be followed or not: but, if not, there is every probability of further price falls, as it is quite evident that production is setting ahead of consumption.

The returns of exports from Sweden for the ten months ending 31st of October of this and last year's totals are as follows for our trade:-

IRRE. 1831. Sids. Sids. Sawa and planori-wood...... 675,780 Cub. ft. Cub. ft

Square and partially square wood 15,893,212 12,643,486 showing an increase equal to about 25 per cent. in the sawn and planed wood, and of over 20 per cent in the hown wood. The significance of the above figures, in conjunction with a reduction in the deliveries from London docks of over 13,000 standards during a similar period, ought to do more than anything else towards keeping the log "get" down during the present winter.

A RUSSIAN ENTERPRISE.

A correspondent sends us the following interesting account of a Jarge saw mill estate in Russia, to the management of which he has recently been appointed :--

Gorval is a large old estate, which formerly belonged to a Polish family, but was sold last year to a Russian General. The place is very. Dueiper, meet.

The woods on this cetate are very extensive ing here is of a first-rate quality, growing most

which will enable us easily to get out of the woods our 150,000 blocks which we are going to cut this winter, the evenhess of the ground as on alodrec.

We are building this winter a saw-mill with speciality will be oak parquetry, which is very much used here in Russia, and has a market almost to any extent.

All the newest machinery in use for woodcutting and woodworking are already partly ordered, and will be taken advantage of for this enterprise. The saw-mill, as well as the factory, will be lighted up with the electric light. La motive power, both for the mill and for the joinery works, are going to be three English steam engines of 40, 40, and 50 horse-powers respectively, and five boilers of together it horse-power. Next summer a tramway of 10 to 15 English miles is going to be built into the woods, in order to make it easier to get the blocks out. More than 2,500,000 blocks are calculated to be growing on the estate.

What makes this business of special interest is that, as far as I know, there are neither saw- of before. - Timber Trades Journal. mills nor joinery wor' worth mentioning in this part of Russia. The next year's production is calculated to be 7,600 standards, a part of which will be sold in Russia; the most of it, Forces contains the following abstract of a long will have to be exported, via Libau.

Most things are very different here to what they are further north, and so is also the way of | Chaussees :getting the tumber out of the woods. In the; In 1877 the aix great French railway com North it is generally left in the hands of the foroman to find horses for carting the wood down to the rivers, and much depends upon them whether the blocks come out and what price.

In this part of Russia, which formerly was Polish, the peasants were up to the year of 1862, as it was called here, Kriepostnoje, or a sort of of beeches, but above that of cake, the main alace. Living in small communities or villages, tenance of the French railway system necessi they had nothing they could call their own, tates the destruction of 700 large trees for large, between 40 to 50,000 deschettims, or, to Everything belonged to the community, and the every day in the year. When the projected give you a better idea of its extent, I may tell community itself belonged to the owner of the extensions have been carried out the extenditure youthat if I wished to taken rideround its limits, cotate on the ground of which the community will amount to 1,000 large trees daily To this I would have to prepare for a ride of about 120 was situated. Since 1862 a new era for these, energous figure must be added the quantity re English miles. It is situated about 1,000 versts, poor peasants began. Each became possessed, quired for copairs of rolling stock, which cannot or about 650 English miles, south of St. Peters of a very small piece of land, which he could be put down at less than 140,000 cubic metres burg, where the two rivers, Berezina and cultivate, and call it his own, and at the same tabout 5,000,000 cubic feet, in the year. Besides in which he was living. This certainly made a new lines, as proposed, within the next ten or and valuable, consisting mostly of red fir, but great difference to each individual. The comfifteen years, will cause a further demand for
also oak, clm, ash, &c. The fir which is growmunity, however, remained very much the same 20,000,000 new sleepers as it had been for hundreds of years. In these With a view to the reduction of this out beautifully, 80 to 100 feet high, straight as little villages they live still that patriarchal sort, mous demand, the French railway companies candles, and of a size rare in the more northern of life they had always been used to. The have long been endeavouring, like others, to parts of Europe. The climate is mild; a cidest man is the head of the family and the increase the durability of their sleepers by im and to do this, so far as French experience rather short, but frequently very cold winter, elected clear is the head of the community. pregnating them with antiscutic substances, the goes, and the summer very warm. Grains upon on Before his tribunal every case is brought, be it, two heretofore most used being cupric sulphate, with motal electors than with wooden ones, the cetate. The ground is free from undulated of dispute or be it of general importance to the and crossote.

The results at present are therefore unfavour-times and hardly a standard of dispute or be it of general importance to the and crossote.

every one has a right to a seat, without any trouble of being elected.

If I have any work to be done which requires allowing us to cart the blocks on wheels as well | the help of many men, I do not want to make up an agreement with each party separately. T make up a contract with the whole community, six frames, and next spring a planing and in which each individual pledges himself to do moulding mill, and also foinery works. A a certain amount of work; and when such contracts have been signed by the whole community, I can, without risk, advance any amount wanting to the parties in question.

This is what we have been doing here. these little villages in the neighborhood, the one village pledging itself to give a cortain amount of hands to dig, another so many hands to do carponter's work, another for masonry work, another for transport of bricks, another for the building of flood vessels, and a great many for felling of the trees in the woods and for transport of the logs to the river.

The winter came early this year, we have had frost and snow for some time and the works in the woods have already begun. We wait only for more snow to come to see such work going on, as certainly this place never dream.

RAILWAY SLEEPERS IN FRANCE

A recent number of the Revue des Laudelayed report on the above subject by M. Jacquin, Ingenieur en Chef des Ponts

panies equired 2,563,000 sleepers annually for the maintenance of their permanent way. Com pared with the mileage, this amounted to 93 sleepers per kilometre (0-6 English mile) per annum, or to over 7,000 sleepers daily.

Assuming a single tree to supply on an average 10 sleepers (which is below the average time he became the proprietor of the poor hovel, this, the construction of 20,000 kilometres of

Franco lines sleepers and itelegraph poles impregnated with both those substances have long been in use and are still in a perfect state of preservation. A crossoted beechen sleeper was taken up on the West of France line after nincteen years' service. This is a remarbable example; but similar instances may be met with on other lines; the real mean average life of such impregnated sleepers does not, however, appear to have been as yet satisfactorily datermined.

After long experience, the Eastern of France mass of contracts have been made out with all line (de l'Est) gives the preference to gas-tar over all other antiseptics, and creosotes even oakon sleepers, the sapwood as well as the less indurated portions of the heart absorbing the tar freely. The sleepers are not put in creesoting chambers, but are cut and dressed so that all the bearing surfaces are thoroughly impreznated. Under a pressure of 6 to 7 atmospheres. paken sleepers absorb 7 to 8 kilogs, of creosote, beechen sleepers 30 to 35 kilogs. There is reason to hope that the larger quantities thus absorbed increase the power of resisting the elements of destruction in a corresponding degree.

Mr. Blyth has proposed a process of treating log or sawn wood with hydro-carburetted gas close chambers, that is to say, exposing it to the action of ordinary high pressure steam, containing liquid bydrocarbons in a state of spheridal diffusion The inventor claims for the process that it offects perfect saturalies of every part of the wood, whether green or dry, sawn or unsawn, with the protective substance. These promises, somewhat over sanguine perhaps, bave not yet had the full confirmation of experience,

The solution of the railway sleeper problem has been sought in another way. Stone, con-crete, and cemented brickwork sleepers have come up again. But it must be remembered that these offer neither the conditions of elasticity nor the facilities for attachment which are indispensable, so that there is no prespect of their general adoption These metal elemens have been tried, and, could a good model be found, our great metallurgical firms would, no doubt, find a now element of industry in supplying the imperious demands of the iron horse. But, unfortunately, the experiments made thus far, on lifferent lines, have not given satisfac bury results. A metal alcoper, to be successful, must combine all the qualifications of resistance to a transverse strain, a good seat on the ballast, and stability in the mode of attachment of the superincumbent rails, and withal the outlay must remain the same. the paint generally averlooked by inventors. It is not enough to have a perfect line on the oponing day it must be kept in working order, a larger buttay appears to be percessare tions, and hardly a stone to be found on it, community, and sottled in an assembly where. On the South Mide, and West Oucst of able to the use of metal eleopers