er way, that thin articlo is yenned by a nursory. man who has had forts' yom' experience in the buainess.
In the American Foreatry Congress, recently held at Muntreal, a paper was read by Dr. Warder, froia Robert Douplans, of Waukegan, Ill., on the "Three Motion System of Planting." As jou copied this article mito the Witneas last mohtla I need not repreat it here ; suffico it to sas that it gavea greatly improved method of planting trees over what had ever boen practised before, and cheapened it 20 much that two men and a boy could plant 4,500 one yearold.trees in a day. In addition to this cost there would be the oxponse of raising them in the seod bed, lifting them at one year old, Grimming the roots, and conveying them to the place of planting, nearly all of which could be saved, with the ex. coption of one year's extra cultivation of the land, by adopting the natural mothod of tree. planting, while the treen at three years old would be much larger and worth two of the trees transplanted at the same age by the Doug. lasessatom and at no greater expmnso than planting corn would be.
For forest tree planting on the prairies, as described by Dr. Warder and othert, all that is necesuary is to havo the land thoroughly ploughod and prepared in fall, so that water will not lie upon it during winter or spring to solidify it.
If to be planted in the fall the land should be thoroughly harrowed, rolled, and marked the same as for planting-in rows four feet apart cach way,-rlanting the nuts or seede at the in. tersection of the rows and placing two nuts or three or four seeds in overy hill, only tho atrongest of which ahould bo allowed to grow.
If spring planting is preferred the nuts ot sceds shonld bo kopt in moist sand or earth during winter and plantod out the first thing in spring. If the land was ploughed in the fall and has got hard during the wintor, it should bo deeply cultivated, harrowed, and rolled in apring before marking out.
By the Douglass method one.year-old trees are planted with the roote more or less trimmed and laid in a slanting ponition. By this, the natural method, the treo would stand aroct from the start, with its tap.root going straight down and its roots springiog out all around, forming natural brices for its support.
Besides, some is the most valuable treos, ruch 25 the hickory and black walnut, more especially the formor, could be planted in this way which cannot be transolanted. The hickory ha no rootlets and vory fow fibres near the cruwn of the root, mere!y a very strong tap-root, with a fow $\mathbf{i b r e s}$ here and there from which it draws its sustenanes; when this is cut off in trans. planting, there in nothins left to surtain the treat, and if it liven at all, it is woak and worthlews.
A hundred acres of hickories planted in this way would provo a fortunc, as the thinninge from time to time would be very valuable and oven command a high price for exportation to England, where hickory poles are in great do. mand, but cannot be had in sufficient, if any, quantity, while the nuts and wood of the grown trees will always command rosdy salo at high figures. The black walnut would be ultimataly more profitable on account of the great value of wood. But this is not all; why should not the apple and the pear be planted in the same way as the nut-bearing troec?
The present way of propagating the apple is by getting the meods from cider mills, talien from all kinds of trees, haalthy or unhoaithy, sowing in seed beds or in broad nows, where they ptand a year or two according to their strength, when they are taken up and rootgrafted during winter with the deaired variety, the tap-root is cut up in two to four sections, according to ita size, and a graft inserted in each, wrapped around with waxed papor, and packed aray with moist saw-duat in boxes or barrele till time for planting in spring.
This in a very cheap way of propagation but far from a good one, as the most valuable part, the tap-root, is mecrificed nover to be renewed by after growth.
The pear seed is unually imported from France, and the young troee are generally treatod dif. fereutly from the afple (though mome root-graf
them alsol. At one or thro years old they are removed from the ecod-Leal and planted an nur. acry rows, where thoy aro budded tho same year. Tho tap-root las to be cut off and te other ronts trimmed provious to planting. At two or threo yoars old those thint grown well are fit for sale, but, as the mots of the pear rum naturally doup, into tho ground, wath but fow rootlots near the surface, in hifting tho greater parte of the root has to be cut off, as tho treo could nut be planted again with then at full length; so that in looking at the rovis of the tree as planted it has been a wonder to me that it could grow at all.
By sowing the needs, several urgether, as previuub! described, in the place where the treo is pormanently tostand, all these ditficultics would be avoided, and fine, healtbv, lons lived treen, probably in a great measube free from blight, would be obtained.
Any farmer or fruit-grower could plant in this way ; he could obtan his seeds from some strong healthy trees-those from natural soedlinge are preferable the best French pear seed is all from natural seedhas trees), and plant it in hills from twenty-five to thirty five feet apart placing a stake at each hill as a mark. The field could be planted with corn, potatocs, or other hood crops (but not with small grams of any kind, as these exhaust the land), which should bo well cultivated and all wecds dostroy. ad mund the young trees;-of course all tho acedings should be pulled up but the strongest trees, which could be budded the same season or the tollowing, and all that did not take could be grafted the following spring with the varieties rexuirod.
By using the hand corn-plantor, broperly guagod for planting nuts or soeds, tas the case might be, a large fielic could be planted by one or two men in a very short time, talking care to plant the seed at the proper depth for gorminating, which is about four diameters of the seed, and soeing that it is properly covered with fine carth, to be pressend down with the ball of the foot the plantcr goes along.-James Dougall in New York Witnes.

## RRMAREABLE DIBCLONUREA. <br> (Sevard (Neb.) Reporter.

Mr. B. S. Crane, manager and treasurer of the Alvin Joslin Comedy Company, struck Cheyenne the other day upon business connected with the appearanc: of that splenddd company in this city at an early day. A reporter called upon Mr. Crane at his rooms at the Inter. Ocoma and spent a fow pleasant minutes in converation about the coming attraction. Mr. Crane assured the writer that the personnel of the company is all that could be desired and that the public may look for even better parformances this season than last. Noticing that the manager looked a littio palo the writer remarked unon the fact, but received the reply that he was in good health.
"But," continued Mrr. Crano, "I did hare a a pretty serious time of it last summor in Now York."
"What was the trouble."
"I had a very sharp attack of rheumatism. The dinasso attacked my loft leg and left arm, and for a time I could neither walk upon the one ror raine the otter to my head. I suffored horribly. Did suu ever hare the rhoumatism, sis !" addressing the reporter. "If ever you are stricken with it there is one thing which I can recommend as a pretty sure cure, and one which will probably give you quicker relief than anyhing else you can employ. I refer to the Great Germun Rewcily, St. Juccios Oil. I ann aware of the prejudice which many entertain aqainst advertised modicines. I felt thus about the St. Jacobs Oil and thought my a olsiun was too deoply rooted to be disaipated. But a mau will sometimes catch at a hope as it flies. I purchas. ed a bottle of it, when I found nothing clse I applied would giverelief, and commenced applying it. It proved a noost effectual remedy, and the use of threo bottles cured me.
"And you are now quito a devotee of St. Jacolx Oil !':
"That is, perhaps, drawing it too strongly. I certainly do believo it of fine specific for rhou-matri- and as my belief is bseed upon person-
arience, I don't mind commending its uso to others."

In the office of tho hotel, tho rejorter mot Mir. Gieo A. Dunlap, who is the pogular and officiont representativo in Chojemno of the Chucago firm of Wrod Bros., livo shock commassiun merchants. Happenurg to mention the inter now with tho manager of the Alvil Jughon colli pany and what ho sadd about St. Jacibs Uil, Mr. Dunlaji ropled that he wan nut nurprised at the unration of tho circumatances, tur tho (irent lierman Remedy was a good medicmo and ho could also commend its virtucs.
"Aro you struck on Uil, too, Mr. Dunlap!
" Woll, 1 don't oxactly put it that way, but 1 beliove it a goud ronedy all the same. My ox. perience with it is somewhat lamited, but of suf. fiecently recent dato to mako mo vividly remem. ver what it has done for mo. While nupern. tonding tho loading of cattle this autumn, I fell froin a car and seriously hurt my loft knec. I beliore a blood vessol was rupturad and tho muscles reveroly strained. I could not walk for soveral days, and do not know that I would be capable of active locomotion now, wero it not for the kindly oftiecs of St. Jacobs Onl. Its powerful healing and stimulating propertics put mo right on iny feot. It did, for a fact, and you can use the infornation if you so please."
"Almost overybody," remarked Mr. A. C. Stayart, representing Wober, Howland \& Co., wholonale dealer in huts and caps at Denver, "uses St. Jacobs Uil whero I camo from. I once had a very sore foot and very naturally cm . ployed tho Great German Remedy. It cured my foot in a very short time. I also canrecom. mend it."
"Are there any other gentleman present, who would liko to endurse this wonderful ajecific !" said the reportor. "It has assumed tho infortance of a public queation, and I intond to write it up for the benefit of others who may need the offices of this medicino."
"Yen," repliod MIr. Wm. II. Dunlap, ropresenting the great coffee house of Jowett, Shorman \& Co., Milwaukeo, " put mo down as ans. other believer in St. Jacobs ('II. I had rhens. matism and Stu. Jacobe Oil cured me. You can just bet on it every time."
"Gentlemen," remarked the reporter, "this is a remarkable coincidence. Two Mr. Dunlape, each of whom never met the other, both endors ing St. Jacobs Oil, followed by another gentle. inan in tho room. It is a regular experienco meoting. It will not be paralleled soon in Cheyenne.
The roporter was subecquently informed by one of the prominent drugcists in the city that Father Hayes had also used the Great German Remedy for rheumatism, and, having been cured, commended its employment to his people. The abovois 2 true bill, and may bo relied upon.

## A. BPITMDID

## sAW and GRIST MILL

For Sale by Auction, at
COATE'S AUCTION ROOMS in the
CITY OF TORONTO,
Saturday, December 9th, 1882,
AT 12 O'OLOCK NOON.

These mille are situatod on the Gull Miver, in the
saw and ono edger, with an extra supply one butting The Gull duer aforda a means of brip ging of beiting. ber for 100 miles north of the mill. 2 lio Grist 31111 has Goverminent of Oistario. Thero is a nover fulline tho water. Tho property consigts of 240 acres of land, more or less.
Ono tonth of purchato znonos at tumo of sale, For partlculars apply to

JONTB BROTHERS \& MACKENZIT, Bolloltors, \&c.,
5 \& 6 Canada Permanent Eulldin 58 ,

## A LORD OF TEE RONEST.

The Lord Mayor of London, with the other commiusiourss of Epping Forest, havo been visiting the Duke of Portland's Welbeck catute, which is widely known for the grandour of its trees. Some of the timber grown in the park yenrs aryo wan uned in building St. Paul's Linthealral, and at the Abbay there is atill proserved a letter writton by Sir Christopher Wren, who, commumeating with the Duke of Nowcastloy ment in 1695, sends the dimensions of tho boams he requires for the roof of the edifice, and adds that he " oxprects this soason hut ter of tho great treen." The Greendale oak in Wellieck Park ia called the Methuselah of Treos, and writing of it it in 1790, in his "Descriptions and Skotches of remarkable oaks at Welbeck," Major Rook said the tree was then thought to be 700 years old. In 1724, an oponang was inado in this oak large onough to allow a carrimge, or three hormemen abremet, to pases through it. At that time the girth of tha ancient treo abovo the arch wam nearly 36 feata the height of the arch was 11 feet, and the topmost branches were 54 feol from the ground. Although crippled with are and some nugh treatment, the Greendale oak atill fiourishes. It has, like some old men, to be propped uj; but its boughs are yot groen, and its foliaga bright. The timber taken from the treo's heart was in 1724 made into a cabinet for the Countem of Oxford, and this cabinet, which is now at Welbeck, contains several inlaid pictures, ono or two of which reprecent a former Duke of Portland driving a conch and six horses through the cavity cut in the old oak's trunk. On the ostato a story is told that His Graco, in ant after-dinner frolic, made a bet of 1,000 guineas that he could drive a coach and six thmugh the body of the tree without touching the bark, and that he accomplishod the feat and won the guiners. The cabinet, which is quite a work of art, also bears the following quotation from Ovid's "Metamorphoees:"

Oft did the Dryads lead the fontive dance
Beneath his ariade, or hand in hand encloso
The orbit of his trunk, full atteon yarde;
Whoec head above his tellows of the grove
Doth tower, es these aboro the oward boneath.
A great many mills throughont Minnewota and Wisconsin are shutting down. In somo camen thero is a lack of loge, and in others thers is feeling on the part of the mill mon that thero is enough unsold lumber in their yarda
orrill, Wis, correupondent

The Merrill, Wis, correapondent of the Northecestern Lumberman says that mont of the mills at that point are shut down, haring cut all their logs. The river will be clearer than over before. Men are going to the woods very fast. The woather in cold, and come snow has fallen. With a goud kinter there will be more loga put in than in any one seamon before.


