## WALNUT LOGS AND HOW TO PREPARE THEM.

By Anson A. Gard.

Few seem to know what an export log should be, but the number who think they know includes about all who have never before gotten out logs for export. These latter think that if a log is the required length and diameter it will pass, and that they should receive the quoted high price for it, and will feel, when the returns are received, that they have not been treated squarely. They forget that rough, crooked, knotty logs make only cull lumber, and that when any market is overstocked with just such timber, when at the best there is no demand for it, the price at which it will sell is very low indeed.

An export log must be straight, sound, free from large hmb, or rotten knots, free from heart checks or wind shakes and should not be cut shorter than 10 feet and as few under 12

should not be cut shorter than 10 feet and as few under 12 feet as possible.

When the tree is selected to be felled, a notch should be cut in on the side toward which you wish to "throw" it the centre of the notch should be cut in toward the heart much deeper than the sides; when this is done start your saw a little above a line with the opposite notch and cut straight through. A tree can not only be sawed down quicker than it can be cut with the axe, but when down it is also "butted," thus saving much extra work.

When the tree has been felled, mark it off so that each log.

When the tree has been felled, mark it off so that each log will be straight. This can usually be done even in crooked trees, unless the crook be a short one, in which case cut it out and use the piece for balusters. By cutting the logs 10, 12, 14 and 16 feet, the full length of the tree can be worked up to good advantage. When it can be done, as before mentioned, make as many of the logs 12 feet long as you can, as this length is best for export logs and also the best length for

lumber.

Often when a tree is felled it may lie on a side hill, in which case care must be taken not to cut the logs slant ways, which you are sure to do if you let the saw "run."

Many a woodsman in order to safe an inch, loses a foot. He measures his log exactly of the foot mark, which is all right (although a log should be an inch over) providing he can run his saw "true," but nine out of ten sawyers will run to the right or to the left, and the bottom of the log may lack just enough to lose a foot. So I say don't be stingy, when it will pay you to be a little generous.

In some markets there is a duty on logs when they have been squared on the mill, while the same log will go duty free if hewn, besides a log looks better when properly dressed with the broad axe.

with the broad axe.

Too great care cannot be taken in selecting logs for shipping, as one or two questionable ones may reduce the value of a carload more than their value, while the freight on them is just as much as for the good ones, thus you lose both logs and freight. Therefore make it a rule not to select a log just as much as for the good and freight. Therefore make it a rule not to select a log about which you have the least doubt of it passing. Having selected your logs, draw them to the railroad, if you ship by rail and there hew them on four sides to show a face taking care to use a large draw knife to smooth off the corners of the wanes, having first removed all bark therefrom.

When the logs are ready to ship, the ends should be painted with an inexpensive red paint. This not only prevents, to

with an inexpensive red paint. This not only prevents, to some extent, the logs cracking, but gives them a better

lust as soon as you have logs ready, load them at once; they will then come to the market looking fresh and will please the buyer far better than if they have been allowed to become weather-beaten and sun-cracked. The logs may cut out as much lumber and the lumber be just as good, but when a load of weather-beaten logs come to market it is surprising the difference in price they will bring. This is especially so in logs sent to foreign markets, where they are put up at auction to buyers who in the burry and rush of a sale don't have time to carefully examine the lot, but who have to go by the looks, so that many a better lot of logs sells for less money than an inferior one well dressed and fresh looking.

In a country where snow covers the ground during the long winter months no one need be told to use a sled or drag, but where snow is the exception, or where it is never seen, a a wagon must be used. There are wagons and wagons. I have been in countries where a regular log wagon would have annea, ance.

a wagon must be used. There are wagons and wagons. I have been in countries where a regular by wagon would have been a curosity. Here the loggers have from time without date hailed their logs on the high-wheeled farm wagon.

Two men are required, as the high wheel and sometimes both wheels on one side must be taken off, and the axles propped up. After much bother the log is smally loaded, and if more than one is to be taken on the load, the same process must be gone through with, and when the mill yard is reached, the whiel or wheels must again be removed. No one who follows logging can afford to use such a wagon when they can get one with which one man can do twice as much work in a day and do it easy to himself. This is the low broad tread log track, requiring only to be driven alongside the log, "skids" run down from the tops of the wheels, the chain thrown under the log and lack again to the opposite side of the wagon, then fastened to the "stretchers," the horses started, and your log is landed on the bolsters, and all in half the time required by the old techous way. Counting the extra man and the time the old tedious way. Counting the extra man and the time wasted, one could pay for a log wagon in a very short time. Another advantage is that the tire or tread being broad, a much larger load can be hauled over soft ground, as the wheels do not "cut in" like a narrow tread.

do not "cut in" like a narrow tread.
"Which will pay me better, to ship my Walnut in the log or saw it into lumber?" This question is the first one asked when the owner of Walnut timber is ready to make disposal of

this wood.

The answer to the above will depend entirely on the given let of trees. If they run large and smooth, it will pay to ship term in the log, but if they are but few large trees and many small ones, it will pay to saw them into lumber, as the large logs will enhance the value of the product more than can be scalized from selling them in the log, even at the higher price at which the logs would sell. There are many advantages in selling logs instead of sawing them—other things being equal. In the first place the tree can be cut down and the logs delivered in market almost as soon as it could be sawed into lumber, thus gaining all the time required for sticking up and drying, five months at least saved, which to one of moderate means is a

hong while to want.

Again, every producer of lumber will always prefer to know how much his stock will bring as it runs. When sold in the log, there is but one price, while if sawed into lumber the same log is sold at three and in some markets at four prices.

same log is sold at three and in some markets at four prices, and the aggregate price governed by an inspector who may never have seen a walnut tree grow.

Don't write to a log buyer or lumber dealer and say, "I have some logs," or "some lumber; what will you pay for them?" or "it" as the case may be. The fact that "it is good stuff!" don't convey any notion of what it is, or what it is worth. Take for illustration of how you should write to inform a buyer that you have logs for sale:

ship, two carloads of Walnut logs, fresh hewed and in good order. There 26 logs in the lot and they measure as follows: (Give lengths and diameters, being careful not to measure more than they contain). I will deliver these at (give point of destination) for \$- per M feet.—Yours, etc., J. S.

When the buyer receives this letter he knows that "J. S." has some logs; he knows how many, and what they contain; he knows that the writer means business, for he has put a price on his stock, and the result will be that J. S. will sell, and have the money invested in more trees, before the man who says: "I've got something, what will you give me for it?" will even get a reply to his letter. This is an age when men must be definite, if they would succeed—the man who don't tell what he has to sell will be passed by the one who lets the buyer know what he has to ofter and what he v-auts for it.

One word of advice to J. S. and others who may write what they have to offer. Don't say that you have two cars of logs, that one will run twenty four inches and larger, for which you will take \$— per M., and one car twenty to twenty-three inches at \$—, and in shipping them put some of the small ones in the higher priced car and expect to get the higher price for them, just because they were all together. This would seem unnecessary advice: had I not had a recent case of this kind I never would have thought that it could occur.

Poplar—or miscalled whitewood—logs are now being exported from localities where the rate of freight will warrant their shipment. The same rule for the preparation of Walnut logs will apply to Poplar. They must be evenly hewed on four sides and the wanes smoothly dressed.

I would call the attention of the hewer to one point in particular in preparing the log. Don't cut away too much of the wood 1. 2., don't square the log, as by measurements there is a great loss over Scribner. A point in question. Two cars of Poplar logs, measured here by Scribner, have just been rejected in a German market on account of being too much squared. Thus not only a loss of wood, but a sole lost.

Sole lost.

Different from Walnut, Poplar, Gum and such other rough
This may also be

Different from Wainut, Poplar, Gum and such other rough bark woods, Cherry is shipped round. This may also be said of what few Ash logs there are exported.

When the sap is at work building up new tissues, making new leaves and twigs, the tree when felled is most apt to "check" when made into logs. For this reason valuable timbers should be cut before the middle of March in this climate, and earlier in the far South, then in July or August, when the sap has done its work and is at rest, you may begin and continue till March again. It is well in making Walnut logs to have a bucket of glue water and broad brush, and as soon as the log is sawed off "size" the ends, which when dry part of walnut logs

part of walnut logs tends to keep out the air and prevents checking. This "sizing" is simply made with ordinary glue dissolved in hot water and made very thin.

Much more could be said on the subject of logs, but it would not change the one important fact that only good ones are required, and poor ones will ever be a risk to a shipper. If you who have logs bear this in mind you will find that it will pay you a large per cent, in satisfaction and the buyer will never tell you; "He has enough of your stock,"

LOGS REDUCED TO INCH BOARD MEASURE. - GARD'S RULE.

KE	DUCE	.1)	10			11	1sc	ואי	Kυ	٠,	IE.	45	UK	ł.,	-	6	K	, 5
	Dia.	2	5	3	175	8	210	225	250	255	270	8	305	320	335	350	370	385
•	Dia.	110	125	9	155	170	S.	19.5	210	220	2	255	265	8	295	310	325	3.0
	5.5	8	-	120							35							295
•	nia 7	Š	9,0	50	25	125	135	50	3	170	3	ğ	200	210	220	230	245	255
	5	;	85											182	20	80	200	218
	Da.		3											_	3	_	_	183
	Dia.	7	52	3													5	152
,	Ua.	41	47	5							33		_	_				123
	Dia. 12																	8
	Dia.	١.					_											ळ
	ت ت	Š	23	23.	27	5	32	č	ဗ္	8	4	43	4	8	လ	53	3	3
,	Dia.	3	তূ	20	5	20	22	23	25	27	28	ဗ္က	33	9	8	5	\$	ळ्
	S.	2	=	12	13	14	15	তূ			5						Š	27
ĺ	35	8	C	0	==	12	13	7	15	3	17	∞	5	ő	2	22	33	24

	E S	25.55.55.55.55.55.55.55.55.55.55.55.55.5
	ig W	7.1.5.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0
	2=	25 25 25 25 25 25 25 25 25 25 25 25 25 2
		200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	E &	
	2 8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	D'S	2.2.2.2.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3
	Dia.	25 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	<u> </u>	7585575758564383877 788555757586
	D.a. 25	0 0 NNO 0 NNO 0 NNO C NNO
	Dia 24	222 222 222 222 222 222 222 222 232 232
	Dra. 1)	35 4 4 4 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6
		- 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	2 2	
	5 t	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.
	7.7	<u> </u>
	Ç o	88 100 100 100 100 100 100 100 1
	eig ts	%40 915/10 125/1
	- 33. + 1.	2000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	C.S.	760 855 855 855 855 855 855 855 855 855 85
		220 20 20 20 20 20 20 20 20 20 20 20 20
	57	685 250 250 250 1002 1100 1100 1100 1100 1
	200	650 870 870 870 970 970 1055 1215 1215 1215 1216 1620 1700 1780 1780 1780
	3.6	610 690 840 995 995 380 380 605 605 605 840
	Dia.	555 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
'	Dia.	545 655 885 885 885 885 885 885 885 885 88
•	Jua. I	510 775 770 770 833 853 853 853 853 853 853 853 853 853
	. S	45 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
		450 550 550 550 550 550 550 550
	D w	32 20 2 4 24 4 4 4 4 4 4 4 4 4 4 4 4 4 4
ı	75	
1	5. 5.	1570 1765 1965 12155 121
	. S. j	1510 1500 1500 1500 1500 1500 1500 1500
	- <u></u>	1405 1460 1510 1584 1640 1700 1755 1820 1820 2105 2185 2270 2280 2370 2446 2460 2550 2445 2460 2550 2445 2460 2550 2445 2460 2550 2445 2460 2550 2445 2460 2460 3215 3100 3215 3100 3215 3100 3215 3100 3215 3100 3215 3405 3340 3865 3825 33970 3865 3825 33970 444190 4435
,	<u></u>	755 14 755 15 755 16 755 16 755 16 755 16 756 16 756 16 756 17 756 17 75
	Dia	2
		13.50 1.050 1.
	Sign	100   1105   1150   1200   1350   1351   1405   1460   1510   1570   1150   1351   1455   1255   1350   1350   1351   1405   1570   1705   1350   1350   1351   1455   1520   155
	Sig.	2500 2000 2000 2000 2000 2000 2000 2000
	Da.	8 2 2 2 2 2 2 3 4 2 2 2 2 2 4 2 2 2 2 2 2
	Dia. 1	12051 12951 13051 13061
		060 1105   150 150   145   1295 435   130   145   1295 555   1655   1730 720   1795   1870 859   1795   1870 859   1795   1870 859   1795   1870 859   1795   1870 850   1795   1870 850   1870 850   1870 850   1870 850   1870 865
1	- Dia	25 25 25 25 25 25 25 25 25 25 25 25 25 2
١	Sia.	20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	Dia.	1015 1050 1105 1150 1200 1250 1300 1100 1100 1145 1295 1350 1405 1465 1465 1205 1300 1455 1300 1455 1300 1455 1300 1455 1465 1465 1465 1465 1465 1465 1465
	Dia.	970 1015 11210,1265 1330 1350 1450 1525 1450 1525 1657 1645 1657 1657 1657 1657 1657 1657 1657 1657 1657 1657 1
	Dia.	8 925 970 1015 1000 1105 1150 1200 1250 1300 1350 1405 1406 1510 1570 91040 1109 1140 1100 1245 1235 1350 1405 1150 1550 1550 1550 1405 1100 1765 1201 150 1100 1755 1201 150 1100 1100 1100 1100 1100 110
,	٠	8 0 0 1 4 2 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Ì		

One of the signs of the times is the extensive preparations that are being made to get out logs in Northwestern Ontario or rasting to mills on the other side of the international line. It is evident that their supply of standing timber at many points across the lakes is falling short and they are driven to have recourse to our forests. Now we have not too much pine for our own mills and the employment of our own people, so the development of this system of transportation in the log is not at all to be encouraged. The Dominion export duty on saw logs has hitherto acted as a deterrent to a very considerable degree, but as the demand for logs for United States mills becomes more pressing the restraining influence seems to have lost its effect. It is not the easiest thing in the world to or lect this duty in the region where these operations are hieu, in vogue, but such arrangements should be made by the Canadian authorities as will ensure their not being evaded. If they want our logs in the United States they should certainly be made to pay for them. ONE of the signs of the times is the extensive preparations