### PROGRESS OF PAPER MAKING.

That the great bulk of paper now is not as good as it used to be is, I suppose, universally admitted. One reason is obvious. Far greater quantities are used every year; the best paper is made from linen rag, and there is less linen woolen goods. Ultimately, of course, paper is fastened together. Gradually it was discovered that the vegetable fiber, beaten and disintegrat-But the more the fibers can be disintegrated the better the paper; and no process is so complete as the making it in the first place into another material, and allowing it to be worn and broken, as the completest mode of destroying its stringiness. Every kind of material has been tried capecially those on which St. Paul said it would not do to lay a foundation—"wood, hay, stubblo"-the most common being the coarse form of vegetable fiber known as Esparto grass, a species of broom. In Sweden, provious to 1866, a newspaper was printed for some considerable time on a paper made from liorse-dung. It is not wholly fanciful that human wear and use has something to do with the excellence of paper, as with all other things of art. Mechanism is fatal to the higher and more spiritual qualities which make art. It has its great uses in cheap. ening and rendering plenteous much which is valuable and in a limited degree beatiful. But just as a chromo-lithograph is vilo compared with an oil painting, just as a photograph of a picture compared with a beatiful print of it, so in exact proportion as in human work and human wear to bear on paper and printing you will have it, of its kind, surpremely good, or only tolerable. This brings us to another reason why old paper was better than all but the best to be now procured. It was all hand-made; there was no machinery. The pest paper now made, such as Whatman's in England, or the best Dutch, which is all still made by hand, is better, or at least as good, as was ever made since the world was; but the gre 'er part of cheap paper is bad .- Fortnightly I. wiew.

### SUICIDAL BUSINESS.

When Norway lumber is sold for \$8.25 per thousand, and the seller has paid \$7 per thousand for the logs, how much money is there in the transaction for the manufacturer? This query is suggested by the report from Alpena of a transaction of that character by O. E. Avery. Such childish business is not confined to Alpena, as we are aware of some of Saginaw river which will compare with it, and yet the "bears" in the lumber trade at many of the distributing centers are wondering why lumber dont come down, and persist in asserting that the manufacturers allow the dealers no chances for profit and are virtually driving them out of the trade. In regard to this Norway lumber foolishness and its influence on the white pine market, we have heretofore expressed ourself, and still maintain that it has been not alone detrimental, but destructive to the standing and demands for the coarser grades. There are many uses to which Norway can be applied, for which it is equally as good as pine, and in fact preferable to the coarser graves, and while men persist in slaughtoring the former at ruinous rates, in order to get such folly to effect the latter. There has not been a time on the Saginaw river the present season when the finer run of lumber did not find ready sale at good prices, while the coarser grades have been slow to move; and but for the almost unflinching attitude and porsistence of the manufacturer, a break would have resulted months ago. This state of affairs is more directly traceable to the Norway lumber folly ailuded to above, than to any or all other sources combined. Men who own Norway timber will display vastly more sound judgment by letting it stand than by putting it on the market in the shape of lumber, under present conditions, and owners thereof may rest content that Norway timber will in the not very distant fu-ture be excellent property to have, unless the to dimensions: "White pine masts, 23 inches

suicidal policy of the present season is persisted in to its natural, inevitable and logical conclusion .- Lumberman's Gazette.

### DESTRUCTIVE FIRE.

UTTAWA, Aug. 8 -To-night the citizens on rag available since the larger wear of calico and the street about tor, oclock were startled by seeing the sky in the north-east suddenly becomnow what it always was since first it was made ing red and filled with smoke. A few minutes from the fibers of the rush and papyrus. It was later the slaring sound of the Hull firebells at first manipulated in no degree; the outer pool | told that the conflagration was on the Quebec was stripped off the rush and the strips wore side of the river, and going in the direction of the fire Gilmour's extensive steam saw mill, about a mile down the river from Hull, was seen ed into pulp, then allow under certain condi- in a mass of flames. The mill is situated on a tions to settle into a film and dried, was better. | Loint between the river and bay to the north, and is surrounded by large piling grounds, where millions of feet of lumber are piled. The fire was first discovered about 9:45, and a few seconds later covered the whole building. The water supply of the mill was at once brought into requisition, as was also the Hull steam fire engine, and the flames kept from spreading to the lumber piles. All attempts to put the fire out were useless, and all efforts were put forth to confine to the building. By 11 o'clock the roof had fallen in, and the fire began to abate, while the piles were still untouched. The mill is the largest in the vicinity and run entirely by steam, and was rebuilt for the second time a fow years ago. The value of the mill, machinery, approaches, etc., burned will be in the neighbourhood of \$100,000, and is believed to be covered to a great extent by insurance.

### QUEBEC CULLERS' OFFICE.

The following is a comparative statement of Timber, Masts, Bowsprits, Spars, Staves, &c. measured and culled to Aug. 2:-

incompared and carrow to 1108; 2.		
1881.	1832.	1883.
999,803	912,719	1,450,020
2,970,985	3,211,300	1,396,359
653,759	561,414	131,191
1,721,613	643,060	999,071
782,845	441,893	242,609
276,420	156,158	147,133
3,069	256	1,337
937	1,960	835
6,706	1,859	2,765
123,856	262,179	136,494
-pcs	33 pcs	pcs
- pcs	— pcs	- pcs
186.3.0.14	237.3.2.15	\$66.8.3.9
301.6.0.25	664.1,0.0	371.7.1.21
	10.0.3.4	871.7.1.21
James Patton,		
	1881. 999,803 2,870,085 653,759 1,721,613 782,845 270,420 3,069 937 4,706 123,850 —pcs —pcs 186,3,0,14 301,6,0,25	1681. 1892. 999,603 912,719 2,970,085 8,211,500 653,759 614,414 1,721,613 643,069 782,645 441,693 256 937 1,960 123,856 262,179 — pcs 33 pcs — pcs 186.3.0.14 237.3.2.15 501.6.0.25 664.1,0.0

Quebec, Aug. 3.

Supervisor of Cullers.

### Old Building Material.

An extensive trade in second hand building material has been carried on uninterruptedly in this city for fifty years, and is largely supported by builders and joiners. The stone and brick of an old building is used in the construction of a new one, the lime-whitened bricks making the inside of the outer walls and the partitions, and the stone going into the foundations. But it is not generally known that the inside wood work is used again, frequently without radical alteration. Many builders prefer this old timber because it is thoroughly seasoned, having been defended from the weather and been subjected to the influences of a measurably even temperature for years. The richer woods which are admired for their color acquire mellower tones by age and become more valuable as the years pass, Everybody knows that furniture of mahogany and reservood that outlived several generations is much handsomer than that made from new rid of it, they can only expect the influence of wood. But it has an added value as more materal. An artical made from the old wood will retain integrity in all its joints; its shrinking days are over. For the same reason timbering, wainscoting, and flooring of old buildings has an added value, although its selling price is less than that of the new material.

### Masts and Spars.

A correspondent asks about the Quebec inspection of masts. An extract from the Act in regard to the culling and measuring of tim ber, masts, spars, etc., reads as follows: "Masts, bowsprits and red pine spars shall be sound, free from bad knots, rents and shakes, and the heart shall be visible in spots, at or



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and upwards at partners, shall be three feet in length to the meh in diameter: 22 mehes, three McCraken, Gall & Co., feet in length to the inch in diameter, and two feet extreme length: 21 inches, three feet in length to the inch in diameter, and three feet extreme length: 20 inches and under, three feet in length to the inch in diameter, and four feet extreme length." The bend must not exceed six inches for every 70 feet, and in propertion for any greater length.

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