

SHAVINGS.

The largest single wood pulp plant in the world is that of the Hudson River Pulp and Paper Co., at Corinth, N. Y., which consumes over 30,000,000 feet of spruce per annum.

Vertical running belts should be drawn tight enough so that the belt will cling to the lower pulley. Laced belts often break where connected, on account of friction caused by slipping and movement between the lace and belt, which wears away the lace.

Russia has 503,000,000 acres of forest; Sweden and Norway, 62,000,000 acres; Austria, 45,000,000 acres; Germany, 34,000,000 acres; Turkey, 25,000,000 acres; Italy, 13,000,000 acres; Switzerland, 1,700,000 acres; France, 22,000,000 acres; Spain, 8,000,000 acres; Great Britain, 3,000,000 acres.

To those who wish to know when lumber is dry, a writer says that the surest way to tell is when the heat swells the lumber and it becomes larger when heated than when cool, the same as iron does. You can rely on it being dry. This seems to be the nearest to a solution of the problem of anything yet.

The last page of Munsey's Magazine has been sold for one year to four advertisers, each of whom occupies a quarter of a page and pays \$6,000, making a total of \$24,000 for the page. One line in the Youth's Companion, one time, costs \$3, while a page in the Ladies' Home Journal, one time, costs \$4,000.

If you want to reduce your cost of insurance, equip your plant with automatic sprinklers, light it with electricity, and incidentally locate a reel of hose and a steam pump in such a way that your mill crew will form an efficient fire brigade. To the extent that you reduce the hazard, insist upon a reduction of your premium.

The Chicago Timberman estimates that the agricultural implement manufacturers of the United States use a total of 1,448,293,750 feet of lumber annually, of which white pine, principally low grade stock for packing purposes, furnishes 20 per cent.; ash, 19 per cent.; oak, 9 per cent.; yellow pine, 8 per cent.; cottonwood, 5 per cent.; poplar, 8 per cent.; hickory, 7 per cent.; maple, 7 per cent.; elm, very largely rock elm, 4 per cent.; and basswood, 1 per cent.

The Ladies' Home Journal, in speaking of hardwood floors, says: "Since utility is the foundation of true beauty, the floor of a vestibule or entrance hall should be of hardwood or tiling; and of the main hall, plain hardwood or parquetry. From both a practical and artistic point of view hardwood floors are more desirable than all-over carpets, and little if any more expensive. They are not injured by contact with muddy boots or wet umbrellas, are easily cleaned, and with one or more handsome rugs laid over the centre, are almost certain to

impart that air of pleasing formality so essential in a hall."

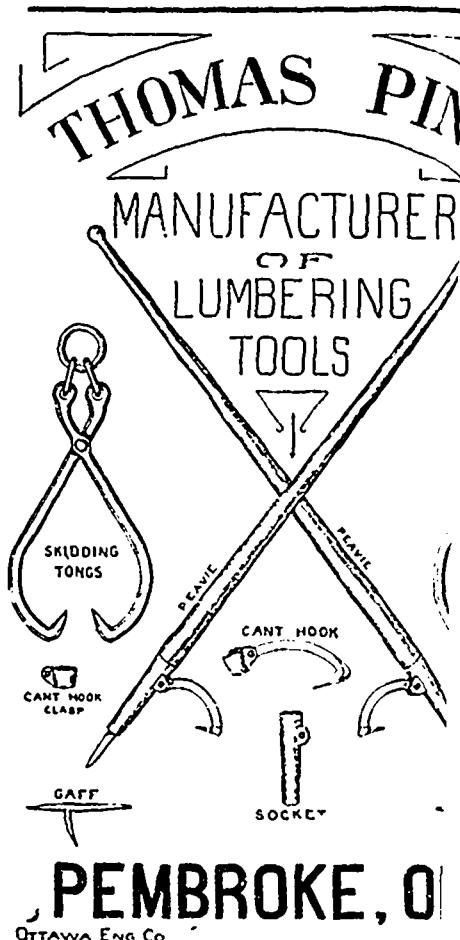
The total cost of timbering the Witwatersand mines, in the Johannesburg district, South Africa, has been nearly \$1,500,000, says an exchange. The timber has mainly come from Australia and the North Pacific coast of the United States, a distance, in the latter case, of 8,000 to 10,000 miles. But a scheme is being carried out for furnishing the gold fields with a home supply. Millions of trees have been planted in the vicinity of the mines and are growing promisingly. It is thought, also, that by the opening of the timber regions in South Africa by the construction of railways the native supply will be considerably augmented.

The clever and inventive Yankees have been to Sweden and promoted a company called the Swedish Compo-board Aktiebolaget, with a capital of maximum 750,000 kronor. The object of the concern is to work a patent whereby boards are made out of offal and pulp to almost any size. Deals up to four and five feet wide have been made, stronger than ordinary wood, unignitable, and with a splendid isolating quality against heat and cold. The trials that have been made have turned out quite satisfactory, and a great future, the promoters feel sure, awaits the new article, and we understand that a syndicate is being formed at Stockholm to introduce it into Germany and this country. Letters addressed to the company at Stockholm will find them.—Liverpool Timber News.

THE INTRODUCTION OF BAND SAWS.

THE first attempt in the United States to turn out lumber with a band saw was made about twenty years ago. The saw then used, however, while excellent in cutting on a beautiful wave line, scorned the inartistic, mechanically straight one. The true theory in regard to the nature and treatment of circular saws, which were then in well-established use, was only beginning to be understood; and ten years elapsed before it was understood in reference to band saws. After the first introduction of band mills, many years passed before this constructive principle was applied to them. As soon as this took place, the band saw began to take rank, in speed of lumber making, with its powerful rival, which hitherto held the field. Tension in the cutting edge of the blade is the principle referred to, which all saws must possess in order to do their best work. In the circular saws this is obtained by hammering the central part of the saw; in the band saw it is obtained by rolling the middle portion of the blade—that is, the saw is passed through a machine between two small steel rollers under heavy pressure, which expands the middle portion of the saw throughout its entire length. Applying a straight edge to the side of a saw, either longitudinally or transversely, will show convex and concave places alternating all along the blade; but when placed

on the wheels of the mill, under a four to all these kinks disappear. It then becomes a straight ribbon of steel, with its edges that there is no chance for deviation in. It cuts straight.—W. Trout, in "Cassazine."

OUR EXTRA
HAND-MADE
AXE

This Axe stands better in frosty weather than any axe made. Send for sample. Can supply any pattern.

CAMPBELL BROS.
Mfrs.
St. John, N. B.

Mention the LUMBERMAN when corresponding with advertisers.



One Thing

Every Housekeeper should have is Good Tea.
The production of

LUDELLA CEYLON TEA

has made this task easy. It is not only good, but pure and wholesome, and makes a good cup. Have you tried it?

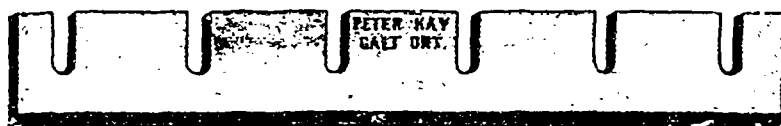
From All Grocers at 25, 40, 50 and 60 cts., in Lead Packages.

H. P. ECKHARDT & CO.

Wholesale Agents

TORONTO

Galt Machine Knife Works



MACHINE KNIVES

OF EVERY DESCRIPTION

FOR Woodworking Machines

... Send for Price List ...

PETER HAY - - - - - Galt, Ont.

RAILS FOR TRAM

NEW AND SECOND-HAND
iron rails for tramways and
12 lbs. per yard and upwards; a
complete outfit.

JOHN J. GALT
49 Front St.

FOR SALE

2 150 Light D
1 250 Light D

Compound Wound, 110 volts; (stat, Sliding Base, etc.

Just the thing for an Isolated Pl Mill.

These Dynamos are perfectly new will be sold very low to close

Write for Part

John Starr, &

Electrical Gen

HALI