STRIAL

VOL. XXIX. No. 177

ment in Favor of Wage es at Arbitration Hearing

E SOUGHT, 10 p.c. Western Railreads and Their 55,000

w Under Way at Chicago, is pat Important One. ember 2.—Arbitration of the differ-nd hours of employment of ninety-roads and their 55,000 enginemen

board of arbitrators appointed unof the Newlands act.

y it is stated that the wage in-the men is about 10 per cent. Itement, W. S. Stone, Grand Chief rotherhood of Locomotive Engie case of the employes. He reices which have preceded the pre-

i that any award of the board of not decrease the present wage not decrease the present wage is favorable service conditions in this connection quoted from a diroad managers that "it was not ny reduction in wages. declared: "We shall endeavor to

the past twenty-four years the have made remarkable y by the installation of locomoctive power. By the elimination ction of grades, remarkable ins have been made. The burden omies in the interests of railroad by the men in the transportation

igineers and firemen nas been increase in their labor their productive efficiency has ed; their earning capacity, even used rates of payment they have

hard conditions, which have human endurance, are intending xisting train-loads, thereby in and responsibilities of the engi-

the attorney retained by the he would reserve his opening presentation of evidence for the im what line of defence would ed: "We will contend, of course, e of pay is full, fair, and adequarrel with Mr. Stone as to en required to run locomotives, neir responsibilities and the ardduties."

wages were adjusted in 1910 hv ration, and that, while in his tration should have to do, thereges in the last four years, Mr. rks concerned the increased redships which have developed in years, and most of which the

GHT IN JAVA.

ne recent severe drought which According to the latest returns beer and Produce Company, the ted on the estates for the three aber 30th was only 18,740 lbs., 19 lbs. for the corresponding is now reported, however, that o an end, but there is little likel be able to make good the dece of the season. The finan-ends on June 30th, and the reusually issued in October, but en advised that, owing to the caused by the war, it will not the annual report until early

1.790.000 LBS. OPPER IN OCTOBER AT 8c. nber 2.-Notwithstanding it is

is 11 furnaces, Granby is makes showing. In October the 14,308 pounds of copper at its he Grand Forks plant being cents per pound. The cost or deducting gold and silver o which must be added freight, arges of about 1½ cents. nd figuring copper at 12 cents

d have been about \$70,000, or han \$5 per share per annum. ging feature regarding Granby ch satisfactory earnings under tined in October. For examone furnace at Hidden Creek proper time at least a 50 per it can be made there, to say al output from the old Grand

CHANGE MARKET. 2.-Foreign exchange market and sterling up %.

demand 4.891/4. demand 5.11. demand 40 %

AND ARIZONA.

ecember 2.—Calumet and Arieclared a dividend of 50 cents \$1.25 cents paid in June, 1914.

ND PITTSBURG. December 2.—Superior and ridend of \$1, payable Decemcord December 4th. Previous

ere. Estimated stocks of creamery butter in store a spot show a decrease of \$32,762 packages, as comared with last month, and a decrease of 10,382 packages with the same month a year ago, while the stock dairy butter this month is 582 packages smaller an last year, and 959 packages less than a year The second secon

Finest creamery	21 740 10 200
Fine creamery	36% e to 2714
Fine creamery	2616 c to 2614
Seconds	20 20 10 20 20
taba dairy As se se	24C to 25C
Section of the sectio	20C to 20 1/2
restimated stocks of cheese in a decrease of 33,762 boxes as co sonth, and a decrease of 10,352 boxes have a decrease of 10,552 boxes as compared to the stock of	ampared with las oxes with the sam of Canadian chees whete shows a de d with last month th the correspond- market was quiet Gould's Cold Stor- to about 700 boxes
November make, willest	10. 4.0.0

Snest western colored 15%c to 15%c Pinest eastern write 15%c to 15%c The tone of the egg market is very firm as the es-The tone of the east market is very firm as the es-limated stock in store on spot to-day shows another large decrease as compared with last month, and this pupied with the fact that the receipts will be much alier from now on tends to strengthen the situaion. There is no change in prices, but the demand is good for local consumption and a fairly active trade

Strictly fresh stock	48c 1	to 50c
Selected cold storage	31c 1	to 82c
No. 1 cold storage	29c t	to 30c
No. 2 cold storage	25c t	0 26c
The condition of the market for beans is	mcha	inged,
prices being steady, with a moderate amount	nt of	busi-
Hand-picked beans, per bushel \$2.	65 to	\$2.75
Choice 1-pound pickers 2.		

	ked beans					
Choice 1	pound pic	kers		2	.55 to	2.60
Three-po	und picker	rs	7. 18	2	.30 to	2.40
Owing	to the co	ntinued	unfavor	able w	eather	r for
the seaso	on of the	year the	trade i	n dress	ed po	ultry
is rather	quiet, the	deman	d being	chiefly	for s	small
lots to fi	lactual w	rants, bu	it as sur	plies a	re not	t ex-
cessive a	g yet, the	tone of	the mark	cet is s	teady.	
Turkeys.	per lb				16c to	0 18c
Chickens,	per lb		i.		12c te	13c
Ducks, pe	er lb				13c to	15c
Geese, pe	r ib				10c to	11c
Fowl, per	lb				9c to	11c
On acc	ount of the	e contin	ued mild	weath	er for	the

eriod of the year, an easier feeling has developed the market for potatoes, and prices have declined 14c. per bag. The demand for car lots is quiet and ales of Green Mountains were made at 621/2c per bag x track, and in a fobbing way at 721/2c to 75c per

ENGLISH STOCKS OF CHEESE.

Note and the second	Dec. 1,	Nov. 1,	Dec. 1,
	1914.	1914.	1913
Liverpool	. 83,651	37,190	52,100
ondon	. 137,000	176,000	149,000
Bristol	. 44,000	50,000	107,000
Total	214,651	263,190	308,100
New Ze	aland Chee	ese.	
	Crates.	Crates.	Crates.
ondon	- 7,000	£	5,700

	Dec. 1,	Nov. 1,	Dec. 1
Butter:-	1914.	1914.	1913.
Creamery, pkgs	106,293	140,055	116,648
Dairy. pkgs	2,283	2,865	3,242
Cheese, boxes	35,155	71,915	67,747
Fresh, cases	81	1,214	1,418
Cold storage	46,667	69,685	36,882
Pickled		3,600	1.850

NIMUM SWEETNESS

"As a result of the investigations carried out during the season of 1913 and 1914 the Bureau of Chemtion. Owing to the fact that opportunity has been given to study the composition of California oranges during one season only, the ratio set at this time is lower than that which is believed to be the minimum

The Calket

Blunt No. 2 and larger, per 25 lb. box 1.50

Blunt No. 1 and smaller, per 25 lb. box 1.50

To proposition of California oranges and larger per 25 lb. box 1.50

The Calket Blunt No. 1 and smaller, per 25 lb. box 1.50

The proposition of California oranges are called the composition of the called for properly matured fruit. It may, therefore, be Sharp No. 2 and larger, per 25 lb. box. 1.50 spected that the requirements will be made more Sharp No. 1 and smaller, per 25 lb. box. 1.75 strict after data from several crops are available."

WILL SOON DECIDE EMBARGO.

London, December 2.—The American Embassy and the Foreign Office are reaching the conclusion of a long series of conferences concerning trade, notably having to do with the British prohibition of the exhausting to do with the British prohibition of the exhausting to do with the British prohibition of the exhausting to do with the British prohibition of the exhausting to do with the British prohibition of the exhausting to do with the British prohibition of the exhausting that or manufacturing. It is expected that a final deci-

protection of certain articles which America needs for manufacturing. It is expected that a final decision will soon be reached, probably resulting in the litting of the embargo by this Government. If this action be taken, it will be a great boon to certain limited States industries.

GERMANS NOT TAXING FLOUR.

London, December 2.—The American Belgian Relief Committee yesterday characterized as wholly without foundation the statement published in the Beth Belgi. November 29, that the German authorities in Belgium were taxing flour sent from the United States for the starving people of the country at the rate of \$2.69 or 100 kilograms.

Port Alberni, B.C., December 2.—Arrangements are practically completed by A. J. Waskett, who will shortly great a shingle mill here. The estimated cost of the project will be \$25,000.

It is and % inch \$2.16 \$3.06 \$3.05 \$3.05 \$3.05 \$3.05 \$4.29 \$3.05

Feature of Metal Market is Strength in Lead; Nearness of Christmas has Influence on Hardware

COLLECTIONS GOOD

ther Metals Show Little Change, Although Under lying Strength is to be Notleed in Many Lines— Bar Iron and Steel Dull.

in nearly all lines of business during the past two weeks, with the advent of the cold weather and the ose proximity of Christmas. These things are all helping the hardware and metal trade throughout the of Goodwins, country, and seasonable lines of hardware are moving all well. There is a certain steadiness of prices which is doing much to stabilize the trade. Collections are good in nearly all cases, and few complaints are coming forward. The situation now has the appearance of clearing and it is expected that business will crease in activity for the next month or so,

The main feature in the metal market is the strength in lead and its products. There has also been a strengthening in copper, but for the most part France Applies For Samples of the Leading Varieties the market has shown little change since last writing.
Prices for lead have advanced 10 cents, and local otations are \$5 per 100 pounds. Copper has advanced 1/4 cent per pound. The local quotation is now 131/4 cents. There has been an improvement in the tin situation, and there is a slightly stronger feeling in the market, although quotations remain unchanged. There is also some strength noticed in antimony. For bar iron and steel there is little activity,

The following table shows the active range of prevailing prices in the local market:-

HARDWARE AND METALS.		
Aluminum:		
Ingot, 99 p.c. pure, lb	0.22	
Pattern, lb	0.23	-1
Antimony, per lb	17.50	.
Copper:	17.00	
Casting ingot, per 100 lbs	13.25	.
Lengths, round bars, 1/2-2in. per 100 lbs	22.00	1
Plain sheets, 14 oz. 14x48 ins. 14x60 ins. per 100	22.00	1
lbs	21.00	1
	21.00	1
Ingot red	0.14	
Spring sheets up to 20 gauge, per lb.		1
Rods base 1/2 in. to 1 in. round, per lb	0.26	1
Tubing, seamless, base, lb.	0.22	1
Tubing, iron pipe, size 1 in. base, per lb	0.25	1
Iron and Steel:	0.25	1
Common bar, per 100 lbs.	1.18.00	ŀ
Forged iron, per 100 lbs.	2.05	1
Refined from par 100 th-	2.30	1
Refined iron, per 100 lbs.	2.40	1
Horseshoe iron, per 100 lbs.	2.40	8
Steel, tire, per 100 lbs.	2.35	1
Steel, toe calk, per 100 lbs.	3.10	1
Steel Capital tool, per 100 lbs	0.50	t
High speed	0.65	1
Black Sheet Iren:	mal.	(
10 to 12 gauge 2.50	2.55	1
14 to 16 gauge	2.40	(
18 to 20 gauge 2.45	2.45	N
22 to 24 gauge 2.50	2.50	C
26 to 28 gauge 2.60	2.70	C
Galvanized Sheets (Corrugated):	X 30 //	E
Less 10 per cent.	2 6 4	E
22-24 Gauge, per square 6.75	5.50	v
6-28 Gauge, per square 4 25	4 00	1

Less than cost. W. Gauge, 16-20 3.80 B. W. Gauge, 22-24 3.85 B. W. Gauge, 26 4.10 Lead and Lead Pipe:-DDomestic (trail), per 100 lbs. 5.00 Imported pig, per 100 lbs. 5.00

No. 2 and larger 3.90

Carriage Bolts, \$1 (list) % and smaller 65 and

Cut sheets, 21/2 lbs., sq. ft. 7.50 Cut sheets, 2 1 bs., sq. ft. 7.50
Cut sheets, 3 1 bs., sq. ft. 6.75
Sheets, 4 to 6 1 bs., sq. ft. 6.50
Lead Pipe, 2½ per cent. off. 7½
Lead Waste pipe, 2½ per cent. off. 9 ORANGES MUST ATTAIN ON TREE. Galvanized Barbed Wire 2.36 Washington, D.C., December 2.—To prevent the Galvanized Plain Twist 2.95 sterstate shipment of immature citrus fruit which Smooth Steel Wire, gauge 9 base 2.30

ent defining the minimum of sweetness that Cut Nails, base anges must attain on the tree if later sweating is to be held to conceal interiority. not to be held to conceal inferiority. Nos. 3-12 per 25 lb. box. 4.10 2.45

stry considers California oranges to be immature if the juice does not contain soluble solids equal to or necessary of the contain soluble solids equal to or in excess of eight parts to every part of acid con-lained in the juice, the acidity of the juice to be cal-

WILL SOON DECIDE EMBARGO.



Plan Spring Sowing. Outlook For Big Sales of Farm Implements is Promising.

ply seed wheat for other countries in the Empire and for the allies themselves: A request has been received from France that samples of Canadian spring wheat be forwarded with the necessary information with a view to the importation of the best varieties. Owing to the mobilization of farm laborers and draught animals the fall seeding has not been executed under normal conditions, and most of the west of under normal conditions, and most of the west fields, particularly in the districts occupied by the enemy, have not been sown. Measures will be taken some lines there is active inquiry for deliveries duranted in quarter of the new year.

Until the past week the general rule of the mills breakfast we will not be so apt to overload our stomachs with buckwheat cakes and sausages, and a higher-price for first quarter, but the present situation is that most mills are willing to quote on first quarter contracts as low prices as they name on prompt shipment, and on this basis a large volume of the apple is pleasing to the senses and thus alds secretion in various forms especially of the greater burden—the sugar and acids of the fruit being the factors here. The aroma of the apple is pleasing to the senses and thus alds secretion in various forms especially of the digestive juices. During the meal we crave condiments or fields, particularly in the districts occupied by the enemy, have not been sown. Measures will be taken policy of several of the leading steel concerns from now on will be to sell freely through the first quarter spring, but as the French farmers seed but little spring, but as the French farmers seed but little way the basis will hardly be over \$1.10 for bars, plates to accomplish this we cat roast apples with our French agricultural industry therefore expects to ob-tain supplies principally from Canada. There is also, and \$1.55 for nalls. on account of the scarcity of labor and farm animals,

THE HIDE MARKET

New York, December 2.—There was no change in aloof from the market, apparently awaiting new developments. The tone continued steady, however, and no changes were reported in prices. Previous quo-

tations were repeated for wet and	dry salted	hides
The second of th	Rid	Asked.
Orinoco		30
La Guayra	100	2914
Caracas		2914
Maracaibo		29
Guatemala	2814	291/4
Central America		29
Ecuador		25
Bogota	29	30
Vera Cruz		25
Tampico		
Tabasco A		25
Tuxpam		25
Dry Salted: Selected-	•••	25
Payta		- 3
Maracalbo		20
Pernambuco		20
Matamoras		20
Wet Salted:	,	20
Vera Cruz		5. 50 /6
Mexico		16%
Santiago		171/2
Cienfuegos	15	• • • •
Havana	15	• • •
City slaughtered spreads	Chicago and the control of the contr	17
		21
City native steers, selected 60 or over		21
		18%
City bull	17	16%
City cow, all weights	20	191/
Country slaughtered steers 60 or over	4078	17
Country slaughtered cow	1634	17

THE HOP MARKET

Country slaughtered bull, 60 or ever 16

New York, December 2.—There is some demand at Pacific Coast Hop markets, but this demand is liv and confined to the best grades only, which are very scarce and firmly held, and inferior grades being and, business is practically at a standstill. New York State markets remain dull and inactive. According to official returns, the consumption of hops in the United States for the fiscal year ended June 30th, 1914, amounted to 43,987,623 pounds, or 0.665 pounds per barrel of beer, against 44,237,735, or 0.878 pounds per barrel for the preceding year.

The quotations below are between dealers in the New York market, and an advance is generally obtained from dealers to brewers.

States, 1914—Prime to choice 26 to 28; medium to

prime 22 to 25. 1913-Nominal. Old olds 7 to 8. Germans, 1914-38 to 40.

Pacifics. 1914 Prime to choice 13 to 14; medium to prime 10 to 12. 1913—8 to 10. Old olds 7 to 8. Bohemian, 1914-39 to 44.

THE WEATHER.

New York, December 2.—Cotton Belt.—Moderate rains west of the river, scattered rain in Georgia and South Carolina. Temperature 42 to 62.

Winter Wheat Belt.—Heavy rains in parts of Mis-

6 inch	53.76	72.5
7 inch		105.9
8 inch., 25 lbs	43.75	111.1
10 inch	107.20	142.4
12 inch	174.90	dier and

Finished Iron and Steel has Also Been in Stronger Demand at Pittsburg

DECREASE IN OPERATIONS

of Several Leading Steel Concerns Will be to Freely Through the First Quarter at Best Prices Obtainable.

(Exclusive Leased Wire to Journal of Commerce.) Pittsburg, December 2.—During the past week in the steel trade, the most important developments have been in pig iron, of which there has been heavy That's fairly emphatic, and seed has been in larger want to quote another old saying that is packed full buying. Finished iron and steel has been in larger demand, but this has been irregular, some lines of wisdom.

"A revival in pig iron, except in the case of barbed wire, which has been in great demand for some weeks for defensive purposes in the war zones in Europe.
Normally and logically, revivals should begin with FOR SPANS IN FRANCE Normally and logically, revivals should begin with the basic metal, pig iron and all permanent buying protect you for a whole year. One barrel seldom ovements have in the past so started; so that the developments of the past week have been quite satis-

factory. . Some of the pig iron buying has without doubt of Farm implements is Promising.

Ottawa, December 2.—Canada, besides greatly increasing her own wheat acreage so as to meet war demands of this character, is being looked to to supply seed wheat for other countries in the Empire and some lines there is active inquiry for deliveries during the probably the effect of the extremely low price basis, but the sentiment has continued to improve, and in some lines there is active inquiry for deliveries during the probably the effect of the active inquiry for deliveries during the first quarter of the new year.

Discussions

"Fruits have long been a part of the diet of the older races, and of the semi-civilized and savage tribes. As a rule, with fruit, we take much bulk that is not nutrituous and this very bulk is useful because it prevents us eating too much of the stronger articles of diet. Given applies as the first course at been the result of low prices, but even that several Black says:

FOOTWEAR SUPPLIED FIRST

CONTINGENT OF CHEAP QUALITY, apple. New York, December 2.—There was no change in the hide situation yesterday. So far as the common dry hides were concerned tanners were holding unfortunate fact that boots do not seem to have been at Salisbury says it is an elect fear that boots do not seem to have been to have been to have been the work of the transfer of the property of the propert unfortunate fact that boots do not seem to have been a strong point in the equipment of the Canadian troops. "One hears hard things said of the Canadian contractors who furnished boots to the Field Force; it is perhaps as well that the troops did not have to go at once to the front with the footwear in which they came over. Nor is it the only detail," as an innocent visitor gathers, "in which politics, the versal scapegoat, prevented the gathering and dispatch of the force from being altogether ideal; but hatever shortcomings of equipment or organizawhatever shortcomings of equipment or organiza-tion there may have been, are all being rapidly reme-died, and the fact that it gives time to remedy them nakes the officers, at least, acquisce more willingly in the period of enforced waiting.

Liverpool, December 2.-2 p.m.—Cotton futures

Duplicate orders are expected, notwithstanding the
efforts of shirt manufacturers to confine orders for American, May-June 4.131/2; Oct.-Nov. 4.281/2.

DOCTOR APPLE

(By Peter McArthur.)

There is an old saying that. When doctors disagree who shall decide?" and I propose to add to it a new one. "When all doctors agree who shall presume to doubt?" The only thing that I can think of at the present moment, except fees, that doctors are in entire agreement about is the use of apples. Listen to what Dr. Woods Hutchison says:

agreement about is the use of apples. Listen to what Dr. Woods Hutchison says:
"Head and shoulders above all the other Dr.'t stands that delight of our childhood days—the apple. Well ripened or properly cooked they are readily digested by the average stomach. They contain a fair amount of acid and from five to seven per cent. of sugar. Their general wheles. Their general wholesomeness and permanent use-fulness may be gathered from the fact that they are one of the few fruits which you can eat almost daily the year round, or at very frequent intervals without getting tired of them. Food that you don't get tired of is usually food that is good for you."

"An apple a day

Keeps the doctor away."

As a barrel of apples contains from three to four hundred apples you can see that one barrel would costs more than one visit from a doctor, and it Hutchison is not the only doctor who has praised the medicinal value ofth e apple. Here is what Dr. J. J.

Steel mill operations have undergone no further de-Seeing that we have the high authority of eminent on account of the scarcity of labor and farm animals, a demand for Canadian agricultural implements, and a valuable trade in this regard is expected to build up.

Steel mill operations have undergone no further decrease, and are averaging about 35 per cent. of capatorial of them ourselves, and that they are a valuable part of the diet there is no reason why we should not cent. rate before January, but by April they may easily be operating at double the present rate. apples are the best in the world we should always

SHIRTS FOR THE BRITISH ARMY. Berlin, Ont., December 2. Two large consignments of flannel shirts for the British army were shipped direct to Great Britain last week, being the first for the British army.

The shirts were manufactured by the Star Whitewear Company, which secured a large order for ment representative at Ottawa.

The samples furnished by the Star Whitewear Company were entirely satisfactory and the order was received as the result of good workmanship and a guaranteed delivery. Three additional shipments will be made before De-

army shirts to the shirt industry exclusively.

PULP & PAPER Magazine of Canada

The Leading Technical Trade Journal in the English-speaking Pulp and Paper World

THOROUGHLY COVERS THE MOST RAPIDLY EXPAND-ING INDUSTRY IN CANADA AT THE PRESENT TIME, viz.: THE PULP AND PAPER INDUSTRY. NEW PRO-CESSES, NEW MACHINERY AND INVENTIONS ARE EXHAUSTIVELY DESCRIBED. NEWS SUMMARIES OF THE ENGLISH AND UNITED STATES FIELDS FROM SPECIAL CORRESPONDENTS. REPORTS FROM THE LEADING PULP AND PAPER MARKETS OF THE WORLD

The Ideal Advertising Medium for Firms Desiring to do Business with Canadian Mills

Published semi-monthly by

THE INDUSTRIAL & EDUCATIONAL PRESS, LIMITED 35-45 ST. ALEXANDER STREET, MONTREAL, CANADA