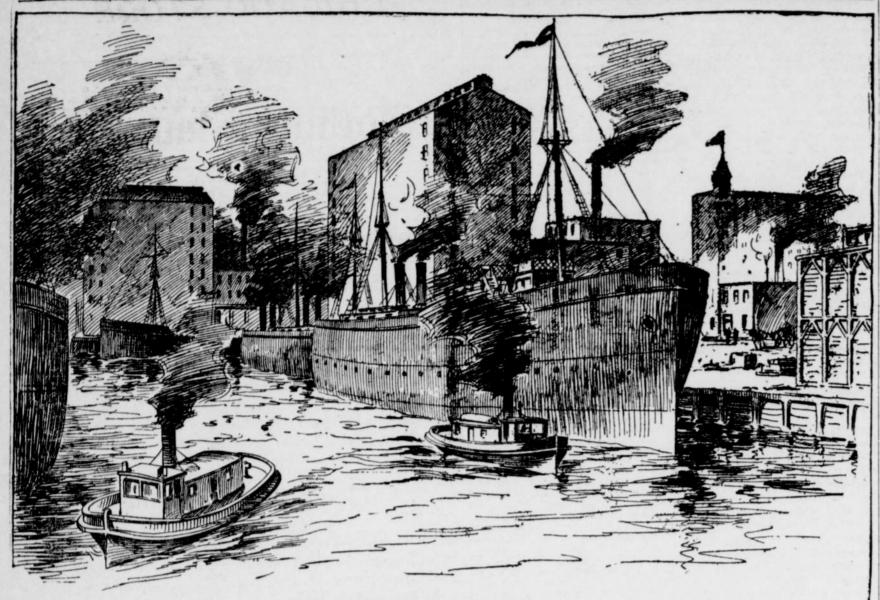
ater from akes



OCEAN GOING FREIGHTERS LOADING IN CHICAGO.

great Chicago drainage canal dam at Lockport, to most residents of the vicinity it signalized the end of a tion of our lakes, have all been set at by other and more expensive routes— wooden wharfs. titanic undertaking-the sanitary waterway had been completed, and there idea-the father of the sanitary canal- than rail carriage, and farmers who age canal. It has been demonstrated ended the job. When that water first is in a fair way of accomplishment, grow grain in Kansas, Nebraska and to the world that ship highways can ly high temperature. In the construcplunged, hissing and writhing, down and by the use of a grand natural wa- lowa are to-day in a measure at the be constructed inland wide enough and the valley of the Desplaies to its junc- terway the largest chain of fresh water mercy of the rail lines. Ocean rates deep enough to float any warship on est temperature recorded was 86 detion with the Illinois River on its way on the globe unites with one of the from Galveston and New Orleans the high seas. The West now offers the to the "Father of Waters," men who largest rivers in the world, piercing a would enable them to beat the sea- finished product of its efforts to that at a point near the center of the tunwatched the work felt that a great les- mighty nation down its middle. son was ended.

An offertory of some \$33,000,000 had taken was and is the beginning of a drainage canal trustees, to enlarge, to is simple when understood. ship canal to unite the chain of inland improve, to change, on the same prin- The lower Mississippi problem is one commercial interpretation, there is the appearance of a tropical diseaseseas with the salt tide-water of the ciple that can make of the veriest creek of the worst to the canal project. Many problem of making the great lakes a due to intestinal parasites-that is delta of the Mississippi River, some in the land that would not float a skiff millions of dollars have been lumped useful body of water for defense. No known only in the hottest regions of

Neversince the first hasty \$50,000 sur- 10 to 20 cents on a bushel. vey was made in the shallow Illinois

dreamed of, legislated upon and striven | that means something more than 4,000 | ings" where sand has piled up and the rest. It means that the Hennepin canal for water carriage is much cheaper

been poured out by Chicago, ostensibly has the general government been able the authority to go ahead is needed in a nation. to purify the water supply, vitiated by to rid itself of the idea that the fruithe work south of Lockport. Half or a thousand sewer conduits. But the tion of the plan would encompass the \$25,000,000 would make the lower chan- West is vitally interested. The agricul- dured but five hours a day for two days real service had not commenced, for triumph of the grandest scheme of in- nel adequate. There is a great deal of turists of this section ship through in three; and so prostrating was the lathe sanitary feature of the mighty ternal improvement ever undertaken in boring and dredging to do; docking, Chicago nearly 40,000,000 bushels of bor at Mont Cenis and St. Gothard that canal was and is but a subsidiary ele- this land. The first great step to con- and the straightening out of crooked grain a year. Upon this, should the the physician who attended the workment. The real object sought to be summate all this is the proposed turn- courses; but competent engineers have transportation be made by the proattained when the work was under- ing over of the Chicago River to the been looking over the field, and the plan posed route, the saving would be some- invalids to have been as great as sixty

a channel wide enough and deep into that river by succeeding Con-The opening of the mammoth chan- enough to float a warship of the first gresses and engineering boards without ada and Great Britain have an inlet tures are expected in the great tunnels nel, over 200 feet wide and deep enough class with a draft of twenty-eight feet. substantial improvement. The river which is controlled by them. The Misin all its thirty miles to float the heavi- Without a particle of improvement the has depth sufficient for present com- sissippi project would be purely of the Simplon, St. Bernard and Mont Blancest warship, was really the opening Chicago River can to-day carry vessels merce, and no decided effort has been country and for the country, in olving experienced engineers predicting that wedge of a project which has been which haul 100,000 bushels of grain- made to deepen it at certain "cross- a new grand highway.

HEN the first water of the after for half a century. It means that ton of cargo. Brief work in the line lightest vessels run danger of striking the expressed fears of Federal engi- done on the canal and an ocean high- the bottom. Engineers of national reptopped over the big bear-trap neers, of communities dreading water way is opened up for Chicago and the utation are a unit that the Government contagion, of shippers anticipating a West, in meats, in grain, in all those should begin the work of improvement, loss of commercial prestige, the deple- commodities that now go to Liverpool substituting docks of masonry for

The pace has been set by the draincoast rates from New York by from higher authority which alone can execute one of the grandest projects of in- a temperature of 95 degrees having It is said that nothing but money and ternal improvement ever presented to

In this project every farmer in the thing enormous. Aside from the strict to the one hundred. Stranger still was outlet to the sea now exists, but Can-

that trout are also famous jumpers. must be worth seeing to attract so gence; bright golden hair, of a rich, many patient waiters. A few shop- deep color and of a crisp and waving keepers, too, have found out that half texture, growing thickly on the head a dozen well-dressed people, gazing in- and somewhat low on the brow, shows the trout go up. In many instances a tently into a shop window, leads others an ardent, poetic and somewhat artisto do the same thing, and constitutes a tic temperament. It is the signature far better "draw" than anything put of Apollo, the sun. People with redin the window itself. I have even sup- brown hair which is very thick, and to accomplish the feat; the smaller fish, plied spectators for a wedding, in a redder over the ears and at temples as a rule, failing to get over in the first case where the bridegroom was a than on the head, are courageous and wealthy parvenu who had a great de- energetic. This sort of hair gives sense sire for popularity. An artist once of color in painters, force of language, apron of the dam. These fish were en- hired from me about a dozen well-at- and eloquence in poets, and power in

> Skinnie-That's great! street where the department must pass. Boney-But then the firm is losing money daily .- Philadelphia North American.

More Ornamental than Useful. Dorothy-Papa, we girls have a new name for those men who call on us, but never take us out anywhere.

Papa-What is it, daughter? "We call them 'fireside companions.' "-Life.

doors of a theater creates in the minds with blue eyes shows the same warmth standing of why a king travels in-

Offside Play. Boney-Unable to increase Hawley's salary, and not desiring to lose his services, the Sharpes have taken him into the firm.

Nearly every man, when he goes to

AMERICAN SAYINGS. Phrases Originated in This Country Which Will Live. The phrase "Don't swear; fight!" has the ring of sound metal. The American army of invasion ad-

vancing upon Santiago de Cuba was preceded by a body of rough riders. Suddenly the Spaniards, who were lying in ambush, fired a deadly volley

and the startled rough riders replied

with an outburst of curses. "Don't

swear; fight!" called Col. Wood. The

America is a big country; it is des-

tined to become a great country, for

there is manliness and vigor in the

memorable phrases coined by cele-

brated Americans. It was Stephen

country, right or wrong." Henry Clay

said, "Sir, I would prefer to be right

I have but one life to lose for my coun-

"I prefer the honestly simple to the in-

genuously wicked." And it was Henry

Ward Beecher who uttered the words,

'The mother's heart is the child's school

When nations become artificially re-

fined the phrases which their great men

coin are generally either cynical or flip-

pant. Thus to Talleyrand is attributed

the phrase, "Mistrust first impressions,

they are always good." Voltaire de-

children and women never wear them."

they are monstrosities." Antoine Ri-

varole said, "It is an immense advant-

age to have done nothing, but one

should not abuse it." Samuel Rogers

sai, "When I was young I said good-

natured things and nobody listened to

me; now that I am old I say ill-natured

things, and everybody listens to me.'

To Sidney Smith we are indebted for

the caprices of fashionable women.

Whether Col. Wool uttered them or

fight!" will ring for long in the mem-

Highest Temp ratures.

stancle encountered in tunneling under

the snow-covered Alps is the excessive-

tion of the Mont Cenis tunnel the high-

grees Fahrenheit, which was reached

nel. The St. Gothard was still hotter,

been observed in the center for several

days. Such a heat, in a moisture-laden

and impure atmosphere, could be en-

men ten years reports the number of

the earth. Even greater rock tempera-

projected in recent years-those of the

under Mont Blanc a heat considerably

greater than 100 degrees-possibly

above 125 degrees-will be reached. Im-

proved methods of ventilating, cooling

and working will all contribute, how-

ever, toward overcoming the difficulties

Book and Ladder Episode.

willing, but he hadn't been in a city

very much. He had done farm work

The other motorman was instructing

"If a fire alarm rings in." said the old

hand, "remember that the department,

the fire engine and the rest have the

right of way. Hold right up and let

'em past. If you don't they'll run you

The second day an alarm of fire was

rung in. The car was near a cross

Over the electric track tore the hose

teams, then the fire engine spouting

flame and smoke. The new hand cast

a look up the street and then spun his

"You infernal fool, what are you do-

ing?" howled the old hand. He jumped

and the new man jumped and the hook

and ladder truck tore the front plat-

form off the car and disappeared in a

cloud of dust and with its men yelling

"Why didn't you wait?" howled the

"Ba gar," replied his pupil, white and

gasping, "I no t'ink we have to bodder

for dat gang o' drunk house painters,"

The Finest Diamond.

Mrs. William Astor has a collection of

finest dimanod in the world belongs, it

is said, to Mrs. Cornelius Vanderbilt,

It is a tiny affair, weighing one karat,

yet it cost her husband \$5,000. As the

value of the diamond increases in an

increasing ratio with its weight, up to

iant, if as large as the Koh-i-Noor

(1021/4 karats) would be worth about

\$3,800,000. Mrs. Vanderfolt's marvel-

ous gem came from Sumbulpoor or Gol-

Mormon.

At a recent conference of the Mormon

church. George Q. Cannon complained

for its authority as now.

moderate size, this Vanderbilt brill-

"Hold up," said the instructor.

controller lever. The car started.

up in northern Aroostook

The new motorman was strong and

of working.

him.

down."

like flends.

instructor.

conda.

-Lewiston Journal.

It is very curious that the great ob-

phrase still lives.

room.

and muffins.

Truth.

A general strike for higher wages in

the pottery trade in England now in-

volves 20,000 men and is causing great

distress and inconvenience. The art glass workers of Indianapolis have effected an organization. There are now eighty-five local unions of the trade in the United States, and arrangements are being made to form a national association.

Decatur who originated the toast, "Our The carpenters at St. Louis have practically won their fight for the than be President." The last words of eight-hour day at 45 cents an hour and Nathan Hale were, "I only regret that a half-holiday on Saturday without pay. The Contractors Association has try." William Penn coined the phrase, gone to pieces by the withdrawal of many of the leading firms.

The Brotherhood of Carpenters and Joiners now has 438 local unions, with nearly 65,000 members. The eight-hour day is now firmly established in 105 cities and towns, and nine hours prevail in 427 cities. The brotherhood gained 15,000 members in 1899.

The much-condemned walking delegate observed a rift in the clouds that usually darken his horizon, when he clared that "Ideas are like beards; discovered that the American Publishers' Association has an official whose To which might be added, "except when duties are similar to that of the business agent, but whose title is that of 'commissioner." A well-known St. Paul publisher fills the office at present. The Master Printers' Association also has a "business representative" who resides in Chicago, with like responsibilities.

The Cigarmakers' International Union does not seem cast down or intimidated by the recent sweeping inthe following ungracious description of junction of Judge Freeman, and in the a fashionable woman: "Do not mind Official Journal President Perkins, in denouncing the injunction, says: "The They are as gross as poodles fed on milk people affected by this monstrous attempt on their liberties know their rights, and any man or woman, official not, the words, "Don't swear; but or member, who is molested will be protected to the fullest extent of the ories of many generations.-London resources of the international union."

Arrangements are being made between the Board of Delegates and the Building Trades Council of New York City, whereby more harmony will exist than heretofore. The proposition is that all business proposed or accomplished by the Board of Business Agents be submitted to the Building Trades Council for their consideration. In other words, make the Building Trades Council the parent body. If this can be brought about it will be the means of adjusting many difficulties that heretofore have caused a great deal of dissatisfaction between the so two bodies.

The vast increase in manufactured products on the continent of Europe has not resulted in much benefit to the working classes on account of the great increase in the cost of living. In Germany the number of hands employed in its industries has increased in fifteen vears from 7.340,000 to 10,900,000, or nearly 29 per cent. But in that period food, provisions and house furnishings have become much dearer, meats have increased in prices from 20 to 40 per cent., and teas, coffees, sugar and flour in relative proportion, and while the German worker pays the extra high prices noted for food he gets but 33 per cent. of the American worker's wages.

For Inspection.

A peculiar custom prevails among the Roumanian peasants with regard to marriage, writes W. W. Long. When a Roumanian girl is of marriageable age her trousseau, which has been woven, spun and embroidered entirely by her mother and herself, is placed in a pointed wooden box. When a suitor presents himself he is allowed to open the box, which is always kept in a prominent place, and examine its contents. If he is satisfied with the quantity and quality of the dowry, he formally proposes to the girl's parents; but if the trousseau does not answer his anticipations he may retire without being considered to have committed himself in any way. The wedding ceremony is made a scene of great rejoicing, the bridegroom's parents driving the bride home in a cart wreathed with garlands of flowers and drawn by four oxen. The all important box containing the tronsseau is placed on the front of the cart. while one of the bride's relations follow on foot carrying her dot, tied up in a handkerchief at the end of a long

Strangers.

They were very fond of each other. and had been engaged; but they had quarreled, and were too proud to make It up. He called afterward at her house to see her father on business. She was at the door.

"Ah-Miss Blank, I believe?" said he. "Is your father in?"

"No. sir." she replied, "father is not. at present. Do you wish to see him diamonds worth a fortune. But the personally?" "Yes," was the bluff response of the

visitor, who felt that his former sweetheart was yielding-"I want to see him on very particular business"-and he turned away haughtily.

"I beg your pardon," she called after him, as he reached the last step, "but who shall I say called?"-Tit-Bits.

Heavy Sales.

Eastern capitalist-See here. When I bought these corner lots of you you told me you had sold \$500,000 worth of real estate in this section in one year. I can't find a customer for a foot of my land. Did you really sell that much in that there never was in the history of that length of time?

the church such an absence of respect Western man-Yes, sir. You see, I was the sheriff .- New York Weekly.

HOW A PLANT FEEDS.

Van Helmont's Interesting Experiment Showing How a Tree Grows. It is more than 2,000 years since philosophers began to speculate about the food of plants and what we may term their "digestive" processes, but it is only during the latter half of this century that really clear and definite notions concerning the food supplies of the vegetable world have been generally accepted by scientific men. As far as is known, says a writer in Knowledge, the first botanical experiment ever performed was conducted by Van Helmont. He placed in a pot 200 pounds of dried earth, and in it he planted a willow branch which weighed five pounds. He kept the whole covered up and daily watered the earth with rain water. After five years' growth the willow was taken up and again weighed, and was found to have gained 164 pounds. The earth in the

only two ounces. Knowlege was not yet sufficiently advanced to enable Van Helmont to interpret these striking results correctly, and For instance, a young man who is that the increased weight of the plant or musician can, by coming to me, was due to the water which had been | make sure of having not only a-nusupplied to the roots. He therefore merically speaking-respectable, but looked upon this experiment as supporting the theory which he had ad- a big crowd outside the pit and gallery study and good memories. Red hair a strange town, has a better undervanced, viz., that plants required no food but water. Stephen Hales ad- of passers-by the idea that the piece of character, but not so much intelli- cognito. vanced the subject a great step by indicating that much of the increase in weight of plants was derived from carbon dioxide in the air.

pot dried and weighed, and had lost

Vegetable cells contain a liquid known as "cell sap," which is water holding in solution various materials which have been taken up from with out by the roots and leaves. These materials are thus brought in contact with the protoplasm, which causes them to undergo changes in composition which prepare them to be added to the substance of the plant. Thus it is in the protoplasm of the living cells of the plant that those "digestive" processes are carried on which Aristotle believed to occur in the soil. We see, then, that the living cells are microscopic laboratories in which the digestion of the food of the plant is carried on.

Against the Current.

well known that salmon can swim against a strong current, and leap up falls, but it is not so well known

On the Beaverkill is a three-foot dam, with four inches of water on the breast, and a gentleman sat near and watched first attempt failed, owing, however, more to an apparent want of judgment than lack of physical ability in the fish attempt. The larger fish made a clean jump into the smooth water above the abled to swim straight up this downpour of water by the great muscular picture at an exhibition, the consepower they possessed; there was no quence being that his painting attracttrick about it, but pure strength which ed considerable attention. Where do I is evidently centered in the tail and get the people? Oh, there is no diffitail fin. The query naturally arises: culty about that. Some of them are If a ten-inch trout can swim up such sandwich men in the daytime, and a fall, what is the capacity of a fortyinch salmon under similar conditions?

When Crowds Are Useful.

Quite a brisk business exists in the crowd line, said a well-dressed man to the writer, and I make a fairly good living by supplying them. All sorts of people find a crowd useful at times. e came to the erroneous conclusion about to make his debut as a lecturer highly appreciative, audience. Again,

tired people to stand in front of his musical composition. work for me at night; others work for me in the day, and appear on the stage as "supers" in the evening. I pay them so much per hour, and find the clothes. I have a most claborate stock of garments, and can turn out quite an aristocratic looking crowd.

Character in Red Hair.

Red-haired women are ardent and vivacious, especially if they have with It hazel eyes, in which case they have a bright and quick intelligence. They have a great deal of natural felicity for

CHINESE THE MOST WIDELY SPOKEN LANGUAGE.



BUSSIAN GERMAN PRENCH SPANISH JAPANESS ITALIAN 210 Million 116 Million.

302 Milition The relative proportion of persons speaking the chief languages of the world is represented by this series of national types. The total population of the world is 1,452,000,000. The languages not represented in the above illustrations include Javanese, Turkish, Brazilian, etc.—all with less than 35,000,000.