

chronicle of the nation. The one hundredth anniversary of Perry's victory is approaching and preparations are under way for the erection of a magnificent Perry memorial, overlooking Put-in-Bay, where Perry's ships were harbored before and after the victory over the British on Lake Erie. The memorial which will take the form of a towering shaft and a museum building will stand on the small isthmus connecting the two sections of one of the principal islands at Put-in-Bay. This chosen site is of additional interest from the fact that it was here, after the naval victory, that American troops under General William Henry Harrison were organized and drilled preparatory to the battle of the Thames and the capture of Detroit. Furthermore the memorial will be unique in that the towering shaft will be made to serve as a lighthouse of the first order. The Museum of Historic Relics will be a hall of fine proportions, with upward of 5,000 square feet of floor space and finally there will be a memorial for the American and British officers and sailors buried on the island.

in keeping with the prestige these in-

land seas enjoy in the commercial

Another current topic that has focused popular attention upon the great waterway on our northern border is the improvements designed to increase the capacity of the locks at

Sault Ste. Marie. The government ship canal in St. Mary's river at the Sault or the "Soo," as it is popularly termed, is to the Great Lakes what the Panama canal will be to oceanic traffic, and the Sault canal already enjoys the distinction of passing more tonnage during the eight months season of navigation than the famous Suez canal does during the full twelve months. What records this link between Lake Huron and Lake Superior will boast with the current expansion of facilities it is difficult to forecast.

And, finally, much comment has been precipitated by the rumors in the newspapers that the recent activity of the United States government against certain trusts and particularly the steel trust served to nip in the bud a very ambitious plan for amalgamating under one ownership practically all of the great modern freight-carrying vessels on the Great Lakes. Even as it is the cargo carriers of the inland seas are owned or controlled by a relatively small group of interests compared to the diverse interests that have a hand in our oceanic commerce. But perhaps that is due to the circumstance that the commerce of the Great Lakes is so largely restricted to such commodities as iron ore, coal, grain and lumber and the men who make use of the raw material produced in the lake district find it profitable to own ships to an extent not paralleled in any other field of water-borne commerce.

The commercial interest of the Great Lakes have for years enjoyed one point of superiority over all the other burden-bearers on the globs. Freight is carried more cheaply on the Great Lakes than anywhere else in the world. It is on-By fair to explain at the outset, however, that this as due not solely to the monster ships employed,the largest ever floated on fresh water,-and to the economical manner in which these craft are operated. A secondary factor of great importance is found in the marvelous dock machinery and equipment which has been perfected in the lake region for mechanically loading and unloading cargo,-transferring the coal or ore from railroad

cars to the hold of a ship or vice versa. To such lengths has this been carried that in the case of some commodities the transfer of cargo is wholly automatic and it is claimed that the iron ore is not touched by human hands from the time it is mined in Wisconsin or Minnesota until it is fed to the blast furnaces at Pittsburg or South Chicago, or Gary, Ind., or some other center of the steel manufacturing industry.

ELECTRIC MACHINES for UNIONDING IRON ORE

The ships of the Great Lakes, alike to their courterparts on salt water, have been gradually growing in size as years have gone by. However the depth of certain channels connecting the lakes and other considerations will preclude the possibility of the lengthening process going on indefinitely as it appears likely to do in the case of ocean-going craft. The 1,000-foot steamer which is already "in sight" in the evolution of trans-Atlantic navigation will probably never have a parallel on fresh water and, indeed, it is more than likely that present-day lake cargo ships come pretty near representing maximum, although there is no doubt that our Great Lake passenger ships will go on increasing in size and luxury as more and more people come to realize that a trip "up the lakes" or "down the lakes" has a variety and fascination not equalled by a voyage across the Atlantic.

The freighters of the Great Lakes are without a counterpart on the other waters of the globe and they are a source of continual wonderment to foreigners traveling in this country,-and, indede, to most of our own citizens who reside in sections of the country away from the inland seas. The most common type of lake carrier,the approved pattern for the ore and coal trade which is the mainstay of lake commerce,-is a long vessel with rounded ends. No deck is laid on the main-deck beams in the cargo-holds and the bridge, mast and deck-houses are bunched at the extreme forward end of the vessel whereas the engines and propelling machinery are at the extreme opposite end, leaving practically the entire length of the hold free for cargo storage.

This odd arrangement conduces to the carrying of the greatest possible amount of freight and, more important yet, it renders possible the employment of the marvelously economical loading and unloading machinery,-"car dumpers" which dump coal into the hold at the rate of a car a minute and "automatic unloaders" which lower "clam shell" grab buckets into a hold, scoop up ten tons of iron ore at a bite, lift it aloft, carry it to the dock and deposit it either on stock piles or in waiting railroad cars. To facilitate the operation of these gigantic inanimate dock laborers it is necessary of course to have numerous openings in the deck of the ship. As a matter of fact the latest approved pattern of lake freighter presents a long line of hatches set each other as possible, and each hatch extending almost the full width of the ship. This renders it easy for the mechanical unloaders to reach, with their steel fingers, to every nook and

THON ORE UNIONDER

corner of the cargo space and all that is necessary to complete the job of unloading, after the automatic unloaders have concluded operations, is to turn loose a small squad of men with which probably was never duplicated shovels who will clean up the scant amount of ore or coal missed by the automatics.

Ice limits the season of navigation on the lakes years ago," said Mr. Ruff, in relating to eight or nine months and this makes lively the story to a party of friends, accordwork necessary when there is much freight to be ing to the Montgomery Advertiser, moved back and forth between Buffalo and Chicago or Duluth, or between intermediate ports. limited number of copies of the book In an average season an average cargo steamer appeared with the first edition. Only will make at least twenty round trips on the ma- one book came to the little town rine highway that encompasses nearly one-third where I lived, but it sufficed for the of all the fresh water on the globe. The season's entire populace. The book went the journeyings of the ordinary freighter would in rounds, from neighbor to neighbor, and the aggregate more than equal a voyage around finally landed in our home. I was so the world. The lake ships are intensely modern absorbed in the first chapter that I in every respect. They are constructed entirely wanted to finish it all before any one of steel; lighted by electricity; steered and heated by steam; and have almost all the "fixings" to be found on any of the oceanic cargo ships in any our home. The headboard was two or quarter of the globe. The first lake cargo car- three feet from the window. The covriers had a capacity of only a few hundred tons, ering dropped to the floor on either but so rapid was the development of this class of shipping that within a score and a half of years the pioneers of lake navigation who had continued in service were rubbing their eyes to realize the magnitude of vessels around six hun- end of the bed so the light from the dred feet in length and with a carrying capacity of nine thousand to ten thousand tons. And, most surprising of all to many people, is the circumstance that these ships when fully loaded do not in most instances draw more than eighteen to twenty feet of water.

WHAT MIGHT HAVE BEEN.

"Where," asked the female suffrage orator, "would man be today were it not for woman?" She paused a moment and looked round the hall.

if not for woman?" "He'd be in the Garden of Eden eating straw-

"I repeat," she said, "where would man be today

berries," answered a voice from the gallery.-

NEWS for the

TESTING THE OPERA GLASSES

Ingenious Manner of Settling Disputes Among Boys as to the Magnifying Power.

At this time of year, when people go to the theater a good deal, boys often have disputes as to the magnifying power of the grownups' opera glasses. Here is the way they are tested.

Pick out some object with a number of equally distant lines on it, like a brick wall, the slats on a blind, the rungs of a ladder or the clapboards

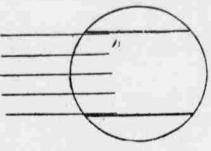


Testing Opera Glasses.

on a frame house. Hold the glass so that you look through only one-half of the glass, as shown in the illustration. Now close the left eye and get the opera glass focussed on your lines.

Holding your gaze steadily on these lines open your left eye and move the glass until you see the same lines with both eyes at once. With a little practice you will get them to overlap as if you were not looking through the glass at all.

Count how many spaces you see with your left eye in the single space that you see with the eye that looks



The Eye and Glass.

through the glass and that will be the magnifying power. In the illustration it is four times. Telescopes can be tested in the same way, if held very steady.

Alabama Man Relates Difficulties He Underwent to Absorb Mark Twain's Well Known Book.

Crawford T. Ruff of this city had an experience while reading lark Twain's famous "Huckleberry Finn" by another admirer of Clements.

"It must have been more than thirty "when I was a small shaver. Only a else in the family started on it.

"There was an old time bedstead in side, so as to conceal me from view, except from the rear. I would crawl under the bed with Huck Finn, face downward, and with my head near the window enabled me to read. In this way I finished the book before anybody else in the house got it."

Count in Their Sleep. We are so accustomed to doing certain things by force of habit that we hardly ever stop to consider what a part it plays in our affairs. For instance: In the larger cities professional fire fighters sleep in the buildings where their fire engines and oth- 5:30 o'clock. er appliances are kept. All night long the fire gong may be ringing, denoting that blazes have sprung up in other parts of the town, but only one it is their time to be up and doing. bell they sleep comfortably; yet as and again began to gnaw. soon as the number of rings strike that denotes that a fire is raging in arouse by force of habit. While half asleep they almost leap into their clothes and finally they rush to their regular places on the engine, the hose cart or the hook-and-ladder truck. Often they do not get thoroughly awake till they are in the

One Kind of Garters.

habit.

they have done right by force of

One day last summer little Dottle was watching her mother canning fruit. After the rubber rings had been put on several cans Dottie exclaimed: "Oh, mamma, let me put the garters on the rest of them!"



Little Pussy Plumpkin, Sitting in the sun; Little Pussy Plumpkin's Too tired to frisk and run.

Pussy's had her dinner-An AWFUL lot for her! And so she sits a-sunning-Don't you hear her gently purr?

BUTTERFLY IS TRANSPARENT

Prof. Beebe Describes Insect Through Whose Outstretched Wings Objects Are Clearly Seen.

In "Our Search for a Wilderness," William Beebe of the New York Zoological park, describes his first sight of the transparent butterfly-Hoetera piera-of British Guiana, an insect through whose out-stretched wings any substance on which it rests can be clearly seen.

"As we crossed a swirling creek on the trunk of a mighty fallen tree, something fluttered ahead," he writes. "We could not see what it was. Closer we came, and still the object remained indistinct; we seemed to see a butterfly, and yet that appeared impossible. At last we marked it down on a fern frond, and crept up until our eyes were within two feet of it. Nothing was visible but the graceful lacework of the frond, until a slanting beam of sunlight struck it, and there, close before us, was a butterfly that spread fully three inches, but was wholly transparent, save for three tiny spots of azure near the margin

of each hind wing. "As we looked, it drifted to a double-headed flower of scarlet, and when it alighted, the scarlet of the flower and the green of the leaf were as distinct as if seen through thin mica, and the faint gray haze of the insect's wings was marked only by the indistinct venation."

AMUSING FOUR-HANDED GAME

Can Be Played With Partners or All Can Play Alone-Board Contains 100 Squares.

To make possible a four-handed game of checkers, two playing part-READ HUCK FINN UNDER BED ners, or all playing their own game,



Four-Handed Checkerboard.

the board shown in the illustration has been constructed in France. The game is played with either 20, 36, 56 or 80 men, and the squares are in four different colors which divide the board diagonally into four triangles. It is well to note that the ordinary French checkerboard contains one hundred squares instead of the 64 of the American board.

YOUNG BEAVER'S DAY'S WORK

Industrious Little Animal in Regent's Park Gardens, London, Fella Tree Two Feet Thick.

A young beaver in Regent's Park Gardens, London, was once placed at work upon a tree twelve feet long and two feet six inches thick, just as the town clock sounded the hour of noon. The beaver began by barking the tree a foot above the ground.

That done he attacked the wood. He worked hard, alternating his labor with dips in his bathing pond. He bathed and labored alternately until four o'clock in the afternoon, when he ate his supper of bread and carrots and paddled about in his pond until

Ten minutes later, when only one inch of the tree's diameter remained intact, he bore upon his work and the tree fell. Before it fell the beaver sort of ring warns the firemen that ran as men run when they have fired a blast. Then as the tree lay on the Through all the other clangings of the ground, he portioned it out mentally,

> He worked at intervals all night, cut the log into three parts, rolled two of the portions into the water and reserved the other third for his permanent shelter.

> > How She Caught It.

A little four-year-old went to Sunday school for the first time and heard the children singing: "Once I was street and racing toward the fire, but blind but now I can see." That afternoon her sister heard her sing: "One side was blind, but now it can see."

Patient Fishermen.

"What, giving up already, my boy?" said a gentleman to a youthful angler. You must bring a little more patience with you another time." "I brought enough patience with me, mister, but I didn't bring enough worms."

Making a Home of Your Abode

Order Is All Right, of Course, but Other Things Should Have

First Consideration. Are you a good homekeeper as well es a good housekeeper? If you think more of keeping your house in apple ple order than of allowing the members of your family to enjoy real home

comfort you are not. Your family can secure a housekeeper at any time for a stipulated sum, but the woman capable of creat- dered to the porch or the room alloting a "homey" atmosphere is price-

less. Order is an excellent thing and no Phousehold should be without it, but the woman who makes a fetish of it the mortification of informing her new drives happiness and comfort from beau that mother insists upon the rent events instead of being a back the earth.

Ever witness the sigh of relief with wife and mother take a vacation? They're fond of her, of course, but all unconsciously do their best to crethere isn't any doubt about a certain ate the longed-for "homey" atmossense of freedom and relief which her absence affords. When John puts her on the train he doesn't return home to mourn and pine for her return; instead, he takes an almost flendish delight in smoking in every room in the family to your insane worship of orhouse without the fear of being or- der. The members of your family do ted him for the purpose. Tommy exultantly punches her ornamental pillows to a comfortable angle for his head. Nellie isn't obliged to endure ed with them and their individual inyoung men going home at an unrea- number .- Exchange.

sonable hour. Even the younger children break loose and have a candy pull in the immaculate kitchen, while everyone delights in moving the which a hen-pecked family sees the stately row of porch chairs to a look of disorderly comfort. In fact, they phere, with a secret dread that the wife and mother will return all too soon.

Do not make the mistake of sacrificing the happiness and comfort of your not appreciate it. They'd a great deal rather you were a little careless and less exacting. Besides, you would then have time to get better acquaintterests, and to keep in touch with cur-

"Comparisons Are Odious."

When little Amy was three years old she was taken to visit her maternal grandmother. During her stay the entire household made much of her, and their district the firemen instantly on her departure she was hugged and kissed and wept over by each member of the affectionate family in turn. The scene made a deep impression on her young mind.

A visit to her father's home followed. At the conclusion of it her paternal grandmother and her Aunt Mabel stood smilingly waving their adleus to the little one until the carriage was out of sight.

Amy's mother was beginning to wonder what made her so unusually quiet, when a solemn little voice rang out from her corner of the carriage: "Not a tear shed!"-Youth's Com-

parion.