

and all are enloying the relaxabustle. The principal topic of conversation is the cake walk which many of the society leaders are to give in the Lyceum February 23 for the benefit of the Home for the Friend-

A capable committee has the matter in charge and the success of the affair is assured. It will contain a number of unique and attractive features and will be sure to enlist the interest of

weighteen. The guests were: Mrs. R. son, Mrs. F. M. Spencer, Miss Bradley, W. Archbald, Mrs. W. W. Scranton, Mrs. Leuis Stillwell, Mrs. George Mrs. J. A. Price, Mrs. R. Q. Powell, Griffith, Mrs. T. F. Penman, Mrs. W. Mrs. E. N. Millard, Mrs. Henry belin, J. Brown and Mrs. W. H. Jessup, Jr. jr., Mrs. C. H. Welles, Mrs. R. J. Matthews, Mrs. A. M. Decker, Mrs. J. Benj. Dimmick. Mrs. N. Y. Leet, Knapp and Miss Platt.

Mr. and Mrs. C. S. Woolworth and Mr. and Mrs. F. L. Peck gave a delightful party last night at the Bievele club in honor of their daughters. Misses Ethel M. Woolworth and Florence L. Peck and for Master Fred .. Woolworth. Bauer's orchestra furnished the nusic. The decorations were by Marvin & Muir, and Hanley catered. The young ladles who served refreshments were: Miss Eleanor Moffat, Miss Katharine Steell, Miss Gertrude Coursen, Miss May Blanchard, Miss Mary Dickson, Miss Candace Watson and Miss Jessie Peck.

Among the guests were: Miss Flor-ence Hawley, Albany, N. Y. Alice Blair, Helen Boies, Gertrude Beckwith, He en Beckwith, Christine Bryden, Mildred Capwell, Helen Connell, Natalle Connell, Jessie Connell, Grace Cootidge, Karl Coolidge, Ernest Coolidge, Helen Connell, Helen Chamberlain, Edgar Coursen, Edgar Connell, Kart Costen, Lelia Costen, Harold Connell, Orrin Christian, Carlton Connell, Lawrence Connell, Frederick Connell, Eleanor Clemons, John Duckworth, Everitt Dale, Harold Dolph, Stanley Dolph, Charles Davidson, Harold Davis, Ralph Davis, Elizabeth Dickson, Mattie Edgar, Gilbert Edgar, Helen Finn, Carol Finn, Nellie Fulton, Helen Fowler, Taylor Foster, Bertram Fenner, Jennie Fenner, Edith Holland, Grace Hutbert, Adaline Hand, Joe H. Hand, of Wilkes-Barre; Marion Howarth, Jean Hosie, Warner Hayes, Olive Jadwin. Helen Jones, Evelyn Jones, Marion Jones, Fred Jones, Ned Jermyn, Elizabeth Jermyn, Margaret Kirkpatrick. Donald neck, Lorena La Bar, James Linen, Harry Lee, Lillian Lee, Fanry Mears, Eva Miliar, Mildred Marple, Marion Matthews, Evelyn Matthews, Helen Merrifield, Grace McLane, Trys-tine Morris, Robert McClave, Charles Manness, Arthur Manness, Willie Ma:thews, Arthur Matthews, Fred Nelson, Harold Northup, Harold Norton, John Price, Cole Price, Nana Price, Mar-jorie - att, Curtis Platt, Philip Platt. Porter, Grier Parke, Heien Parke, Kenneth Porter, Eloise Phelps, Pauline Peck, Max Phillips, Anna Robertson, Homer Rice, Earl Rice, Gertrude Russ Helen Simpson, Janet Storrs, Anna Spencer, Jeanette Schlager, Louise Smith, Florence Smith, George Sancton, Dudley Sanderson, Gordon and Essen Taylor, Douglass Torrey, Mary Tracy, Richmond Tracy, Stanley Thomas, Theodore Vandling, John Wentz, Dorothy Warren, Gladys Watkins, Lorene Weichel, Law Watkins, Edith Wilcox, Anna Wilcox, Frank

Mrs. Thomas Dickson, who has been ill for the past fortnight, went to Atlautic City this week and endured the journey very well indeed. She was ley, and her son, J. P. Dickson.

Williams, Kenneth Welles, Harold

Mr. and Mrs. J. N. Rice will give a dancing party on Tuesday evening next for their son, Homer,

Mr. and Mrs. H. C. Sanderson, Mr. and Mrs. I. F. Megargel, Mr. and Mrs. C. D. Jones and Miss Helen Jones will leave for California February 14, to remain for several weeks. There is quite a Scranten colony in Los Angeles

SPRING OF 1900.

HE past week has been very quiet | ing the delightful weather cause their in society. Many are out of town friends to wish to eliminate the month of January from the calendar,

> Colonel and Mrs. L. A. Waters are entertaining Mrs. Galland and Miss Bertna Galland during their stay in the city. They will leave for Wilkes-Barre today, where Miss Galland will appear tonight.

Mrs. Joseph A. Scranton gave a card party yesterday afternoon, Among the guests were: Mrs. G. D. Murray, Mrs. Frank Silliman, Mrs. C. C. Rose Mrs. G. B. Jermyn, Mrs. A. C. Twitchell, Mrs. H. B. Ware, Mrs. J. L. Wentz, Mrs. H. M. Blair gave a beautiful Mrs. H. C. Shafer, Mrs. Joseph Mott, Iuncheon yesterday. The decorations Mrs. G. DuB. Dimmick, Miss Skinner, were in red. Covers were taid for Mrs. A. H. Christy, Mrs. W. M. Dick-

Mrs. George C. Youum held the last of her wedding receptions on Thurs-Mrs. Fletcher, Mrs. J. A. Seranton, day. She was assisted by Mrs. G. G. Mrs. James A. Linen, Mrs. H. A. Brooks, Mrs. Willard Matthews and Miss Watson,

> Mr. and Mrs. J. L. Crawford and granddaughter, Florence Shepherd. will go to Florida next week for a fortnight's stay. On their return Mr. and Mrs. Crawford will take a trip to

> At the Providence Methodist Epis copal parsonage Tuesday evening Miss Elizabeth Williams and Thomas Gowry, both of this section, were murried. Rev. William Edgar performed

> tations to a luncheon at the Scranton club next Friday.

G. F. Reynolds entertained his Sunday school class of Elm Part at a social at his residence, 605 Quincy avenue, Thursday evening. A most enjoyable time was had by these present.

The Leiderkranz society gave its thirty-second ball Wednesday night in Music hall. It was the largest affair in its long history. The grand march was led by Miss Emma Wenzel and G. N. Teets. Prizes were given Misses Emma Goch, Violet Fahrenholt and Josie Machenspecher. The wail com-mittee consisted of George Nelson Teets Isadore Roos. Victor and Charles

The Union Tourist club, of the South Side, gave an entertainment at St. John's hall Thursday evening, which was largely attended.

Mr. and Mrs. John McNuity, of Twenty-second street, entertained friends Tuesday night in honor of their guest. Mrs. Fitzgerald, of North

Miss Jessie Roberts, of Monsey avenue, was given a surprise party Tues-

Edgar W. Croft was given a surprise party at his home on Adams aveof young friends.

Miss Amy Gentrude Decker was married to Dr. Adam Stegner, of Rendham, Tuesday evening, at the home of her parents, Mr. and Mrs. Giles Decker, on Cayuga street. Rev. William Edgar performed the ceremony. Prof. Reeve Jones played the wedding music. Miss Eva Meredith was bridesmaid and Will Davis, of friends. Taylor, was best man. The ushers were Dr. Wellington Peck, of Peckville, and Alvin Decker.

A very pleasant surprise party was tendered to D. Stanley Evans Thursday evening at his home, 1114 Rock | Philade phila and New York, where she street, by his many friends. Refreshjourney very well indeed. She was accompanied by her sister, Mrs. Bent-ley, and her son, J. P. Dickson.

menta were served and a good time on line of China Hall, is away on his annual purchasing tour through Pittsburg and the west. Cora Decker, Alice Coons, Ethel Doud, Martha Moore, Maud Johnson, Helen Long and Messrs, Edward Bahr, Edward Lewert, Joe Jennings, Will Mo. Cracken, Garfield Black, James Bailey, Andrew Muir Seymour Jones, Wendall Evans, Bert Snyder, Harry Beals and

The Philadelphia Record of Thursday says: "Representative Babcock, now and the letters they write regard- of Wisconsin, who is chairman of the

Republican congressional campaign mmittee, gave a dinner at the Raleigh last night to the members of the executive campaign committee, the general object being to shape the business to come before the joint congressional committee next week. The joint meeting of the senate and house ends of the congressional campaign committee will be held Tuesday for the purpose of reorganization. Nearly all the state delegations have chosen their representatives, Mr. Connell being the Pennsylvania member of the committee. Wisconsin is expected to re-elect Mr. Babcock, and he is also believed to be agreed on for chairman, to suc

Miss Katharine Peal was married to Martin F. Nolan, of Cook street, on Tuesday at the Holy Resary church. Rev. J. J. O'Toole officiated, Miss Theresa Barke was bridesmaid. Dominick Gerrity was best man.

little business to transact. A resolu-

tion will be adopted urging district

committees to call their congressional

mittee to do its work thoroughly and

without the pressure consequen on late

nominations.

conventions early, to enable the com-

Miss Mary Kane, of West Market treet, and Anthony Kane, of Pittsten, were united ir marriage Tuesday afternoon at the Holy Rosary church, by the Rev. J. T. Moylan.

Miss Rose Maisly and William Rhoddo, both of this section, were united in marriage Tuesday evening at the home of Mr. and Mrs Eugene Leven-thall, of Hollister avenue, in the pres-ence of the relatives of the contracting parties. The Rev. William Edgar, paster of the Providence Methodist Episcopal church, performed the cere-

The marriage of Miss Marion Lind-Fay to Mr. J. M. Poore was an affair which attracted the attention of many Green Ridge people Thursday evening. It was a charming home wedding at the residence of the bride's parents. Mr. and Mrs. R. M. Lindsay. The Rev. Dr. Lansing performed the cere-There were no bridesmaids. Mrs. W. D. Boyer has issued invi- Mr. J. B. Rowley was best man,

Movements of People

W. W. Scranton was in New York yes A. C. Finch went to New York city yes

Miss Frances Hunt is visiting friends in Pottsville Miss Welles is visiting friends in Rochster. N. Y.

Attorney Frank Boyle has returned rom Buffalo. Sheriif C. E. Pryor left yesterday for New York city.

Mrs. William T. Smith was in New York this week.
Attorney C. B. Gardner was in Tunk-

hannock this week.

Mrs. E. L. Bevan has been visiting friends in Carbondale.

friends in Carbondale.

Mr. and Mrs. A. N. Cramer have returned from New York.

The Misses Archbald are spending a fermight in Foughkeepsle.

Mr. and Mrs. H. H. Brady will spend Sunday in New York city.

Dr. Carl Seller, of Jefferson avenue, is slowly regaining his health. lowly regaining his health.

Mr. Isadore Hirschfield, of New York, visiting Scranton friends. Colord F. L. Hitchcock has been in Washington, D. C., this week, Messrs, J. H. Brooks, Slade and Thorne went to New York last night.

Mrs. E. C. Lynde has gone to Mead ville. Pa., for a two months' visit. The Misses Birdsall of Honesdale, have been guests of Miss Louise Matthews. Mr. Ton Brocek and daughter, of Muiberry street, were in New York this week. W. L. Matthews and A. L. Tappan have

Rev. Mr. Thompson, pastor of the Dal-

Miss Mary Cove, of Carbondale, waguest of Green Ridge friends this Attorney Frank F. Gibbs has been ap-pointed a notary public by Governor

Mrs. John B. Fish, of New York, is the guest of South Lincoln avenue Mr. and Mrs. John A. Powell, of Mul-

berry street, will spend Sunday in Philadelphia.

Miss Jessie Bogardus, of New York, is the guest of Miss Margaret Gould, on Clay avenue.

Miss Grace Birdsall has returned from

spent the week.

Miss Bertha Dolph, of Port Jervis, has seen the guest of her cousin, Miss Grace Peck, on Monsey avenue.

Miss Grace Myers, who has been the guest of Scranton friends, has returned

to her home in Clark's Summit.

Mrs. S. Haslacher, of Rochester, is visiting at the home of her sister, Mrs. Sol Goldsmith, on Quincy avenue.

Mr. and Mrs. Doniel Langstaff and Mrs.). B. Schreifer and daughter have gone Florida, where they expect to spend several months. F. J. Fitzsimmons returned yesterday from Harrisburg, where he attended a

banquet Thursday evening in honor of William Jennings Bryan. Mr. and Mrs. Lyman W. DeHaven and Mr. A. C. DeHaven, of Pitisburg, are at the Ponce de Leon, St. Augustine. They

will spend the winter in Florida.

Mrs. Hawley and Miss Florence Hawley, who have been the guests of Scranton friends for the past fortnight, will return to their home in Albany on Mon-**New Embroideries**

Mr. M. S. Hayhurst, of Orangeville, Pa., has been in the city the past week as the guest of Mr. B. E. Fister, of The Tribune counting room. Mr. Hayhurst, who is 72 years of age, is a man of remarkable attainments mostly self ac-quired, and is well informed in literature, astronomy, geology, etc. He pos-sesses a wonderful memory which has enabled him to store a fund of general Embroideries and Insertions, in Cambric, Naiusook information that makes him most com-

panionable. Mr. Albert Lisette, who has charge o he dining coaches on the Delaware, Lackawanna and Western running bedainty effects entirely different from last season's styles.
All-Over Embroideries, Laces, Puffings, and Tuckings for yokes and Trimming. Narrow, Wide and All-Over Laces and Embroideries to match in sets. tween Binghamton and New York, was in the city yesterday calling on friends, and left on the evening train for his old home in Toronto. Canada, where he will spend a brief vacation. Mr. Lisette is one of the most popular of the dining car superintendents and has hosts of friends

What's in a Name?

At the New Year's reception at the white house three ladies, a mother and two handsome daughters who are well known in society here, passed into the red parlor and then entered the line. Just behind them came a colored woman, and back of her two young ladies, butte plainly dressed, and then a man. The soplainly dressed, and then a man. The so-ciety woman gave her name, "Mrs. Dob-son," and each of the young ladies said "Miss Dobson." Then the young lady of color said "Miss Dobson" and the two young ladies behind her each mur-mured "Miss Dobson," and were followed by the young man, who said "Mr. Dob-son." By that time everybody within hearing distance was shaking with sup-pressed laughter. The seven "Docsons" eyed each other scorafully after they got into the east room, and, excepting the society woman and her daughters, went their several ways, they being in no way connected. The name was not Dobson, but that does not matter,—Washergton Star.

Dibilitativititi ibilitativiti HER POINT OF VIEW

ARE all more or less interested in the Albright library: first because it the most beautiful building in this region and a source of intense local pride as well as the memorial of two good people whose lives were a blessing. Then it is a constant reminder of the donors, whose history has been so closely wrought into the fabric of ceed himself. Beyond the matter of organization the committee will have the city, and still more do we all take delight in the library as a constant, unfailing benefit in the advantages of culture it offers.

There were those who raid that it

would not be appreciated. The records daily contradict such an opinion. When the library opened in May, 1893, the registration of patrons began, They were numbered in the order of cards taken out. Up to date these cards reach 29,300. Now this does not mean that 29,300 different persons are taking books from the library. If the patronage were as vast as that several annexes with a greatly increased force would be necessary. The system is this: After two years the cards are called in to be re-issued, when a new registration takes place. The new card of course is given a new number on the list and thus in the six years the persons who first registered have had three cards, each new issue taking its number according to chronological order of receipt. Out of the entire list about 22,000 cards have been cancelled for various reasons, among which the expiration of date is the chief, while removal from town, death, indifference as to registration and various other causes may be assigned. As a consequence 7,000 patrons constitute the number as actively using the privilege

of the library today.
Of these the feminine readers will probably number one-third more than the men and boys. As to the classification of station or occupation of the patrons no attempt is made to keep such a record, Librarian Carr not following the example of the physician who hastily despatched an attendant to the door to see whether a patient who just entered was conveyed thither by a trolley car or an automobile, in order, as he said to know whether to prescribe a trip abroad or simply sulphur and molasses.

A great falling off in visits to the reading rooms and the exchange desk is noted since times began to be brisk. few men now appearing in the day time. On storing days the children swarm all over the place, but when vacation days succeed holidays, scarcoly a youngster will be seen about the

Librarian Carr, when asked concerning the danger from contagion in taking books from the library, stated that while the theory is commonly admitted that the books thus exchanged may assist in spreading an epidemic, he is forced to say that in an actual experience of eighteen years in this work, during which he has been familiar with the study which many persons have carefully made of this mutter, he has never yet known of but one case where it was actually found that disease had thus been taken. It is an unheard of thing for the attendants to contract contagion from the books brought in and he is of the onlyion that the risk is probably less than in a ride down town in a street car, or taking part in a bargum counter me-

In some cities he has faily received from the board of health containing the names of families where cases of contagious disease were found Then the registration was closely examined and all these persons were notified not to return any books which may have been in their homes. In some cases where books were known to be in a quarantined house they were condemned to be burned a la Baccaccio, but this has seldom occurred.

The life of a librarian attendant is somewhat monotonous, but, after all it is a beautiful life, where "a sweet attractive kind of grace" grows imperceptibly upon her as the result of her intimate association with such well bred companions as books. She is gentle, low voiced and patient. She has extraordinary facilities for the study of human nature and improves it with the result of acquiring that priceless accomplishment - delicate tact. She is so often called upon to aid bewildered patrons that her feet are swift to run to their aid and her sympathies spontaneous and gracious She is tired day after day, and she has small opportunity to read, but she never forgets to be pleasant, and her gentleness has a quieting effect on the brusque ways of patrons, even through the painful scenes attendant upon collecting fines.

Now, if there is anything on the face of the earth that rouses the carefully concealed temper of a person and makes him feel that he is abused and slandered, it is to be told by a smiling young woman in a pretty slik waist 'A fine of eight cents due on that book." He squirms about and makes more fuss in finding that eight cents than he would in paying for a billiard table. Then he probably stalks off in-dignantly, and if his wife is along. grumbles continuously at her for allowing such a thing to happen. If it is a woman who is informed of he tine she makes more bother than the man, and probably insists that it isn She remembers when that book

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practitioner, the nurse, and
the intelligent housekeeper
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" Prolongs Life"

Walter Baker & Co. Ltd. DORCHESTER, MASS. Established 1780.

was taken out. It was the day when Norah, the cook, buried the same grandmother for the third time. It was not two weeks ago at all. course, she cesn't accuse the young lady of trying to defraud the public. but she looks at her in a way that makes the attendant feel the other in her heart believes that the library girls are all wearing tortoise shell combs and real lace collars out of the fine fund. After a deal of fussing she pays the amount and then goes off wondering

why she made such a goose of herself,

for, when sae comes to think of it, the

book was overdue.

The attendant's life is made brighter by the "finds" instead of the fines. These are bookmarks, and sometime you ought to ask the library people to show you that old curiosity box of theirs. It is full of all sorts of queer things. What do you put between the leaves to mark your place? Of course, you never insult the book by laying it down open and back forward. Neither do you turn a leaf corner. Well, the library girl finds many odd bookmarks. Probably toothpicks predominate. The great American public must use toothpicks to a ruinous degree. Next in order come matches. Sometimes they are burnt, which is bad for the book. Men are chiefly responsible for the matches and toothpicks.

Photographs seem to be a favorite book mark. There is a large assort-ment of these in the library curiosity Sometimes they are mounted, but oftener not. Sometimes the li-brary attendant finds between the leaves the bright, laughing face of some one she knows, and again the little card will bear an old-time likeness of a serious browed lady, with her hair done in the fashion of a quarter century gone by. Occasionally a ghostly film will be used, while again it will be a proof faded beyond recognition. Visiting cards, hair pins, samples of dress goods, hat pins, examination papers, money, yarn and Christmas cards are most popular as book marks. Several pairs of eye glasses are found in the course of a year, and the owners thereof wonder how they happened to be so careless. Scissors are frequently extracted from the leaves and not a few locks of hair are also found. Sometimes a single long tress curls over the edge of the closed book. The fair reader must have pulled out this shining hair to mark her place. Lost bank books are occasionally recovered in this way, while receipts and letters are very plentiful. Not a few letters addressed for mailing are slipped into library books, These are posted as soon as discovered. All this is a proof of the carelessness and absent-mindedness of the average reader.

A girl rushed into the library one day and breathlessly asked for a certain book. It was out and she almost fell into hysterics, as she explained that she had left a letter in it that not for worlds would she wish to have another person read. The attendant left the desk and immediately returned with the letter, saying quietly: "No one in the library has read it. We do not feel curious about other people's

When you lose anything hereafter run down to the library and see if it is not in that curiosity box.

Apropos of libraries the fellowing by a little maid of Honesdale is dipped from the New York Times: FROM AN ELEVEN-YEAR-OLD ONE. To The New York Times Saturday Re-

One day "An Old-Fashioned Girl" in "A Lilac Sunbonnet" saw "Dear Daughter Dorothy" standing by "The Big Front Door," with "A Son of the Revolution" and "Dick, the Door Boy," by her side. In the distance she heard "The Choir Invisible," singing to "Prisoners of Hope," while "Seraph" played "The First Violin." She saw "Janice Meredith," with "The Queen's Necklace" on her neck, by "Burnham Beaches," talking to "David Harum" about how "Richard Carvel" made "A Dash for the Throne." She heard that "Captain January" was one of the "Two Admirals" who commanded "The One day "An Old-Pashioned Girl" in "Two Admirals" who commanded "The Ships That Pass in the Night," with "Caleb West" as "The Pilot." "Little Men" and "Little Women" sat on "The Red Staircase," and "The Little Lame Prince" played with "Beautiful Joe," while "Betty a Butterfly" read about "Hugh Women" fight with "The Red "Hugh Wynne's" fight with "The Red Rover." Marion Lane, (Eleven years old.) Honesdale, Penn., Jan. 18, 1900.

SAUCY BESS. DEPTH OF GREAT LAKES.

The Hydrographic Office at Chicago Takes New Soundings. rom the Chicago TimesHerald.

If the chain of great lakes which ound the northern limits of a portion of the United States could be reached to the level of the sea two of the chains would be practically wiped off the face of the earth. Lake Michigan would become two lakes much smaller than the present majestic body of water which lies off Chicago. Chicagoans could travel on what is now the bottom of the lake as far north as a point midway between the shores off Milwaukee and Grand Haven without getting their feet wet. But while this statement duly explained shows the great depth of the great lakes, the mariner is concerned only with the shore line and any obstructions of navigation in the usual channels. The recent grounding of a huge freighter off Drummond Island in the northern straits shows how faulty the surveys and soundings of the chain are relaive to modern vessels.

The freighter standing up the channel to the "Soo" was in what her chart declared to be thirty-four feet of water. As she draws about thirteen she had plain sailing. But when all were snug and confident the ship drove onto a rock and was stuck fast aground. This rock lies but ten feet below the surface. Ten years ago it was no obstruction for the reason that the average draught of lake vessels was about eight feet on the load water line. Today it is much nearer fifteen or even eighteen, so the soundings of a year ago are not altogether reliable in channels dotted with small islands. By the time the pilot's chart for the month of September is prepared accurate soundings all about this rock will be made, rendering it no longer a menace to shipping.

But with all that money and skill can do the fact remains that no body of water, no bay which will float a vessel of any size, is known to the men who go down to the sea in ships. The government, through the engineers of the army, makes frequent soundings in harbors and along shore lines. Changes in types of vessels, changes in currents, changes in water levels when found to be permanent all require modifications of existing charts. Pro-bably no system of internal waterways is so thoroughly charted as the great lakes. Yet it is no infrequent thing tem has been more thoroughly ex- ty fathoms of water.



WEARINESS **GIVES STRENGTH**

Mrs. Mary R. Rubright, Harrisburg, Pa., writes:

"Three years ago the doctors said I had nervous prost ation. I was barely able to stand when I commenced taking Paine's Celery Compound. After taking half a bottle I was able to walk about, and after using three bottles I felt better than I ever did. could do more work, and working was a pleasure instead of a burden as so many suffering women find it.

"I have since used Paine's Celery Compound for neuralgia and sick headache and always found relief."

Paine's Celery Compound keeps the blood pure, the body nourished, the nerves strong.

sounding charts establish a depth of water more than three times sufficient to float the vessel.

When that freighter went aground the first duty of the captain, of course, was to provide for the safety of the vessel and crew. His examination revealed no serious damage to his ship, so boats were sent off to the nearest port, Drummond, and tugs and lighters sent for tt haul her off the rock. Seeing his ship was resting easy the captain took his bearings. He set his quadrant and established the exact location of the rock. He took the line along the east shores of two small islands forward and to starboard. Then he took the line which ran from the as completed and every shipmaster Drummond light along the west shore has one for future guidance. If course, of another small island to the north of | in the lakes, where shore lines are so lines is the location of the sunken rock. The directions of the compass these two lines followed, with the distance lever called upon. In lake charts, howfrom the shore of Drummond Island due south, with the latitude and longitude of the island and ship make it a lence to lights or harbors nearest at matter of mathematical exactness. Any skipper holding a license as shipmaster on the lakes can take the report made by that captain and run directly onto the rocks as easily as he can sail from Chicago to St. Joseph. The report will be grafted into official records and new soundings be made at once. The obstruction is wholly within American waters, as the Canadian boundary runs east and north of the

a bit for heavy vessels. Six years ago the old Michigan made cago. No lake port in the whole sys-

go out there and make soundings all

around that point to determine the

It will likely narrow the channel quite

for some vessel to run aground on con- | plored than this. Yet W. J. Wilson of cealed obstructions where the detailed the hydrographic office says that it would not be a matter of surprise if a large vessel, freight or passenger, should find something the Michigan overlooked. Mr. Wilson says that unless an exact topographical chart of every acre of harbor is made, it cannot be relied upon conclusively, Yet the charts as made are trustworthy because they cover the ground so fully that changes from the depths marked in detail are not probable

As soon as an obstruction is located and reported new soundings are made over it and all about for a long distance to determine its extent and the possibility of its being one of a group. These new charts are issued as soon The intersection of these two close, sailing by the compass is not so exact as it is at sea. Still masters are expected to be able to do this when. ever, obstructions are platted both by latitude and longitude and with refer-

As good an object lesson of what the lakes have to offer is the course between Chicago and St. Joseph, Mich. The course is measured from lights of the two harbors. Beginning from this side the government pier, already quite a way out, has a depth of some thirty-six feet. The lake shoals on this side so that the extreme depth of the spoon is a trifle beyond point. In a short time engineers will the middle of the fifty-seven-mile course. It drops rapidly, however, from sixteen in the river to 246 out in nature and extent of the obstruction. the lake. But on the other side, within a couple of miles of the shore, the depth drops from twenty-four feet to 166 with frightful rapidity. By the a series of harbor soundings for Chi- time the second song is sung leaving St. Joseph the singer is over some for-

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