The New Church Organ.

They're bound the critter shall be seen,

They've hoisted up their new machine

They've got a chorister and choir,

Ag'in my voice and vote:

To praise the Lord by note.

I've been a sister good an' true

I've done what seemed my part to do,

And twice, when Deacon Tubbs was sick,

And now their hold, new-fangled ways,

For five and thirty year:

An' rrayed my duty clear:

Just as the preacher read:

And I, right in my latter days,

With tears all in his eyes,

To mansions in the skies."

It somehow gratifies my whim,

I s'pose I al'ays will;

In gool old Ortonville:"

I couldn't catch a word:

A body ever heard.

And boldly waded in.

An' also contrawise,

Read: "I can read my title clear

I al'ays liked that blessed bymn-

But when that choir got un to sing

They sung the most senseless thing

And when I seed them grin,

An' tried with all my might

And I too fast, or they too slow,

An' after every verse, you know,

pitched it pretty middlin' high,

To "mansions in the skies."

They played a little time

I didn't understand, an' so

I fetched a lusty tone.

But, oh; alas! I found that I

Was singing there alone

But I had done my best;

Across my peaceful breast,

She sits right front of me

An' never meant to be :

She never was no singin' book.

But then, she al'ays tried to do

An' kep' it with her head;

I had to laugh, or cough

It kep' her head a-bobbin' so,

As one might well suppose,

He took one look at Sister Brown,

An' then a pensive sigh he drew,

An' when they took another bout,

But drawed his red bandsoner out,

I've been a sister, good an' true,

I've done what seemed my part to do,

But death will stop my voice, I know,

And when the folks gets up to sing-

REDEEMING ITS BAD BOYS.

How New York in Making Good Cit-

izens of its Tenement Urchins.

its street urchine and putting them in

the path that leads to good citizenship

is of national concern. Every city in

the country that has its boy problem

can well take advantage of this admir-

George W. Wingate, president of the

This league was formed late in the

year 1903. At that time the leading

New York citizens knew that some.

thing must be done to keep its youth

of the tenement districts from going ut

terly "to the bad." They determined

to appeal to the best boy qualities. And

so without any pounding of drums they

enrolled the 600,000 children of the me-

tropolis in a gigantic schools athletic

But at the end of four years the

Every school was made a unit

league has some wonderful results to

to the boys for contests in every line of

athletic activity-jumping, running,

everything else, the school children of

New York city have been taught and

has been constantly pointed out to

them, that to excel in athletics they

must be decent; they must deal square-

ly; they must not smoke cigarettes, for

that injures the heart and spoils one's

"wind." Furthermore, hundreds of

boys have found that viciousness of

any kind makes them less capable of

winning the coveted athletic "buttons."

The prominent men in New York city

have given help and active co-opera-

lent a hand. The benefits have be-

come so evident that England has sent

a special committee of investigation to

see how it was all done. New York

city has spared \$400,000 out of its

funds for the prosecution of the work

estimated that each boy had about two

ineal feet of street to play in, allotting

him his portion pro rata, but to-day

the coming year.

tion. Even President Roosevelt

Public Schools Athletic League tells

New York city's work in redeeming

Whene'er that time shall be-

And some day I to church will go

And never more come back.

do not want no patent thing

An' wiped his weepin' eyes.

For five and thirty year

An' prayed my duty clear;

For he is on my track ;

A-squealin' over me.

Will Carleton.

able example.

beginning.

An' looked completely beat

And meckly scratched his nose,

He looked his hymn book through and

It e'en a most came off.

through,

An' laid it on the seat,

He didn't even rise.

The best she could, she said:

They laughed a little, I am told,

And not a wave of trouble rolled

And Sister Brown -1 could but look-

She understood the time right through,

But when she tried this mornin', oh,

An' Deacon Tubbe-be all broke down,

I started in too soon.

I couldn't steer it right;

I bid farewell to every fear.

Some worldly chaps was standin' near,

I thought I'd chase their tune along,

But though my voice is good an' strong,

When they was high, then I was low,

To-day, the preacher, good old dear,

I took the fork an' led.

Am fairly crowded out.

Is comin' all about :

For it was never my desire,

They've got a bran new organ, Sue,

For all their fuss and search;

And fetched it into church

And on the preacher's right,

In everybody's sight.

## THE MOON OBSCURES THE SUN.

a coursing in its orbit about erth, cuts off the rays of sunlight s part of the earth's surface, a long, narrow, conclike, deep (ave fliustration between U and which the earth intercepts in her course about the sun. This dark and it called the "umbra," and it the "total"-or in this case "an-

den from us; there remains a nar- centers. "ring" of bright aunlight all a total eclipse of this body.

through which he could see the long THE OLD PLAYHOUSE. wooded slope and the sparkling Hudson. Then the old doctor pressed the I know a place where the sunlight falls,

Day and night on the pictured walls, That no'er have changed at the touch The you might search for the spot

Whether in frost or whether in shine,

(The key of the castle belongs to me some buppy days I can find again

The maneion old, in its clock of gray, Crept out of sight to make way for Gone are its walls and the garden gay.

Where vi'lets grew with the lark spur They say that the orchard, too, is gone, And naught remains that I used to

But I visit still, 'tween the eve and dawn. My playhouse under the apple tree.

They say the friends that my childhood Are men, grave-browed, and are women

But I meet them there as I used to do. Back merry girl and each sturdy lad. Little we know of each other's lack, Whom Fame bath honored and whom left free.

The years are forgotten as we troop back Thto the playhouse beneath the tree. -Grace Duffle Boylan.

C DUCKESTON CONTRACTOR TO CONTRACTOR

~~~~~ The man in the library turned in his mair and looked at the picture of a woman over the mantel. The woman as young and beautiful, and the artist had appreciated his subject. The man soked at the picture long and enruestly, and softly signed. Then he touched a button on the wall.

"Blend my daughter here," he said to the mervant.

Bhaphen Elliott turned back to his pasers. But somehow the written words semed to run together. The man's aind had turned back to the subject of be portrait over the mantel. They had so so happy for such a little while. son she had gone, leaving him with infant daughter.

Mow well he remembered her last

mach over her, care for her -- be mothand father to her."

He had promised with little thought what he was saying, his great grief detting out all minor details. Now the fords came back to him. Had be car ied out that promise? Was be giving the child, their child, the care that her nother would have given her? Was it he right kind of care?

"Did you want me, papa?" He looked up quickly. A slender girl of 15 was standing by his desk. She was a dark-eyed child, pale and list-

"Tes, Frances. Sit here. I want to have a little talk with you." He paused as she took the chair he indicated.

She looked at him a little startled.

"Frances," he said, "are you quite hap-

"Why, yes, papa." "Ehere is something else I want to may to you. Frances, I am going away. "Yes, pape."

MI am going far away to Japan and men across Asia to Europe. I may be ne for a year or even more. It dede on my business success.

"You couldn't take me with you. said you, papa?" she asked.

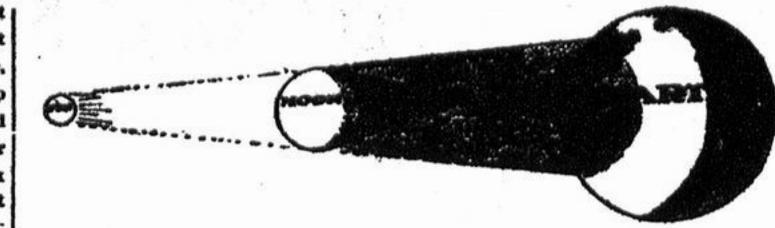
No: that is quite impossible. Some no doubt, you can go with me

ther you finish school." The child turned and softly left the The father watched the slender disappear. Poor, motheriess girl. midden wave of pity surged through heart. Had he done the best he for the child? How very tame med, how lacking in emotion. He had as he turned back to his papers. a thought of the lonely figure he leaving tehind as he sped across at. The child had clung to parting and cried bitterly and comforted ber-and be had into the waiting car. Editi

> me more than two years before lets furned his face home was not well. The fever week and irritable, but fall a strong determination to America. The details of The me a very sich man. There take up his attention scorery of his health.

till helding her close as the train

"Look above the mantel, father. had my mother's picture hung there." Stephen Elliott looked at the portrait. "I think she is smiling," he softly said ... W. R. Rose, in the Cleveland



the diagram marked U and U must be crossed by the moon's center smaller is the apparent size of her dilighter shading) is called "the during her revolution about the earth ameter to us, and hence the lessened ben," or "almost shade," where in order to produce a total or an "an- amount of the sun's surface she will all the rays of light from the sun | nular" eclipse. If the moon's center is cover. either side of such a line, then the The name "annular" is given to the eclipse is a partial one, as only a part gards the earth's position in her orbit perioty of eclipse where the sun's disk of the moon's surface thus becomes about the sun, for in her elliptical mearly but not entirely covered or placed between the earth's and sun's course about him she also has a near

The difference in the cause leading (aphelion); and the nearer the earth sund the dark body of the moon as up to an annular eclipse or a total is to the sun the larger will his disk apcovers over the disk of the sun. All eclipse is in the moon's relative dis pear to us; so that if the earth is in eclipses of the sun are caused by the tance from the earth at these times; perthelion and the moon is in apogee, secon's coming between the earth and that is, whether in "apogee" (the far- no total eclipse is possible; but an anthe sun, and this results in either a thest away point from the earth) or nular one may prevail if the centers of partial eclipse, an annular eclipse, or in "perigee" (the nearest point to the each of the three bodies, earth, moon earth); for, of course, the farther the and sun, are on one and the same An imaginary line drawn through the moon is away from us (she travels in straight line connecting them.

wasted hand and growled a word or

As he sat there he heard a voice.

Somebody was singing in an inner

apartment. It was a pleasant voice,

low and mellow. It must be the maid

the voice. The shadows were creeping

from the river. He closed his eyes.

inner doorway.

your supper.

"Very well," he said.

There was something soothing about

He was aroused by a voice from the

"It is half past 5. I must bring in

A lamp was brought into the room.

Another lamp was lighted. A table

was moved about. He heard the clat-

ter of cups and spoons. A firm hand

well oiled casters. A little table,

daintly sprend and garnished, stood

before him. A vase of flowers was in

the center of the snowy cover. The

fire in the grate threw shadows on the

rosy glow filled the room. Stephen

"You knew what the doctor or

"It looks very nice. And you knew

"The doctor has made all the ar

He did not look around. He knew

"Your voice is the voice of a roung

"And where did you learn to do these

"At school. At a school where the

"A fine school, truly. Tell me about

"I am sure they did. They made me

She said this simply, and yet there

Stephen Elliott had been eating as he

girls are taught to be self-dependent."

"Hut you must be quite young."

it. You liked your companions?"

was a touch of pride in her tone.

excellent physical training."

"And they liked you?"

their class president."

she was standing near him in the shad-

celling. The lamps were shaded.

Elliott feit strangely comfortable.

that lights might hurt my eyes?"

He looked at the table.

rangements with you?"

dered?"

"Yest"

"Y es."

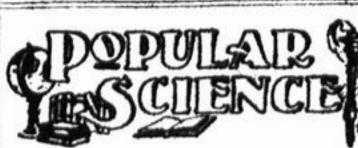
useful things '

"Oh. yea."

two of cheer and hastened away.

pethway of the eclipse. The earth's center to the center of the sun | an elliptical orbit about the earth) the

The same conditions prevail as repoint (perihelion) and a distance point



The singular phenomenon of hard steel being cut by a rapidly revolving disc of soft steel has been somewhat puzzling. A microscopic examination up the hills. The mists were rising by an English engineer, F. W. Harbord, has now shown that the metal acted upon is heated nearly or quite to the melting point of steel, but only at

In the absence of other water sterilization Dr. Riegel of the Austrian Army finds citrle acid effective. In a shallow vessel in sunshine 6-10th of citric acid killed cholera germs in five minutes and the typhus in an hour and a grasped his chair and turned it on its half.

At the recent meeting of the Americalled to the interesting fact that the blological conditions in Panama, and that its completion will enable the fresh-water fauna of the Atlantic and Pacifice slopes to intermingle. Un doubtedly, many marine animals will pass from one ocean to the other. Thus a permanent change of conditions will be brought about, which may or may not possess much practical importance; but its scientific interest is very great. In view of these facts, the association resolved to urge upon Congress the necessity of an immediate biological sur

The question of the possibility of life on the planet Mars continues to excite wide interest. Recently Dr. Alfred Russel Wallace has combated Prof. Percival Lowell's conclusion that such life exists. Among the objections urged agninst the theory of the habitability of Mara are the rarity of its atmosphere and the probably excessive frigid-"I am well and strong. I have had ity of its climate. Dr. J. W. Evans of the Imperial Institute, London, remarks, in regard to this point, that the influence of carbonic acid on atmospheric temperature seems not to have been sufficiently considered. A slight variation in the amount of this constitpent has an important effect upon the retention of heat. With a relatively large proportion of carbonic acid, the atmospheric temperature rises. Dr. wary good to our child, Stephen. talked. Something had given him an Evans suggests, as an interesting speculation, that such a condition may exist upon Mars, and he thinks that the quantity of carbonic acid required to make the temperature endurable would not be so great as to be injurious to animal life. Plant life would flourish

> presents some interesting conclusions. The acoustic properties of a hall deand reflective powers. The Fogg Art sound lasted 5.62 seconds—an intolerable length. By putting Sanders Theater cushions on the seats, floor and part of the wall, the reverberation period was reduced to 1.14 seconds. An open window is an absorbent of sound An audience absorbs, per square meter, .94 as much as an open window. An isolated woman in the auditorium absorbed 54 as much as a window, and an isolated man .48, apparently a tribute to the superior excellence of female apparel. Hair felt on the wall absorbed, per square meter, .78 as much

The Sereech Owl's Troubles, Screech owl dar in de basswood tree. Jen' as mo'nful as it kin be.

Dar's puffin' at all dat's troublin' him. He picks a com'fable leafy limb An' keeps a-mo'nin' de whole nigh

through

Dar's a heap o' folks, 'twix' me an' you. Dat acts pretty much like de screech owl A-sighin' an' a-cryin'

would break

Washington Star.

Many a man's awakening is due

than that, their standing in studies has Old Favorites improved wonderfully, for it is a rule that to compete for the athletic prizes a pupil must be proficient in his books. The teachers are delighted with the

improvement in discipline. The "gangs" in New York are growing noticeably less and the vicious element among the lads is becoming remark-They've done just us they said they'd do ably small. Not long ago two or three thousand boys attended one of the contests between the schools and a spectator was astonished to note that, during the two or three hours of the games, not one boy smoked a cigarette. —Outling Magazine,

WILL USE ANCIENT RESERVOIR

Mexico Mormons Profit by Engineer-

ing Skill of Former Race. The Mormon colonists at Dublan State of Chilmalma, Mexico, are pre I've sung the hymns both slow and quick, paring to utilize several large water storage reservoirs which were structed near the town by the historic race of people that in ages past inhabited the valley of the Casas Grandes River. It is stated by engineers who have examined these ancient reservoirs that they are capable of holding water sufficient to irrigate 40,000 acres of land.

The prehistoric people were practi eat farmers and had a knowledge of irrigation as is shown by the ruins of irrigation ditches which still reserveirs from which they obtained their water supply were built of stone and earth and show splendid workman ship and a good knowledge of engineer-

The ditches leading from these res ervoirs are being repaired by the Mormons and a dam is being built across the Casas Grandes River for the purtiose of diverting the meessary flow of water into the reservoirs. It is nots volunteers will receive the forplanned by the Mormons to place about 15,000 acres in irrigation under this system.

This colony was established several vears ago. Its members are very prosperons and have inaugurated import ant industrial enterprises which are Co E 3d Infantry, Elgin ..... being specessfully conducted.

In the mountains a short distance Co. H. 3d Infantry, Bockford .. from Publin are to be found the aban doned caves of the cliff dwellers. It is Co. L. ad Infactry, Kankaker . . the theory of anthropologists who have visited this region that the cliff dwellers did not belong to the race of people which constructed these trrigation Co. D. 4th Infantry, Belleville. works in the Casas Grandes Biver Valley. The cliff dwellers were not farmers They are thought to have been a much later race than the build ers of the irrigation works. Kausas Olty Star.



The Czar has a single estate covering 100,000,000 acres.

The hat maker says that heads are increasing in size. Figures show that school teachers, as

a class, are long-lived. It has been estimated that a London fog weighs 3,000,000,000 tops.

The Mexican porter handles loads of four hundred pounds with ease. Vienna has 32,000 street beggars, and

many of them make a better living than workmen. There are 256 railroad stations with in a six-mile radius of St. Paul's cathe-

draf. Loudon. A raceborse galloping at full speed clears from twenty feet to twenty-four

feet every stride. Nearly \$100,000 is spent in Mexico | town City every week on lottery tickets, and in the same period only about \$70,000

is paid back in premiums, The old Longfellow house in Port land. Me., which has long been an at traction to visitors, will again be open ed to the public. The grounds are now

being put in order and are to be made an attractive, old-fashioned garden, as in days long past. France was in 1907 the world's chief wine producer as well as consumer. The total crop for the year was 146,000,000 bectoliters. Of this French growers produced 66,060,000 hectoliters. Italy was represented by 33,000,000, Spain by

A new method by which the audience at a theater can show its approval or disapproval of a play without disturbing the performance is being introduced ficiary. by the Italian dramatist, Traversi, Before leaving the theater every person is to drop a ticket into one of three boxes marked "good," "indifferent," and

league. The magnitude of the work frowned discouragement from the very The forestry department has been conducting experiments with the horse of finding some commercial manner of making use of the white fir which found on the Pacific coast in great in the organization. Prizes were given quantities. Very little of it has been cut, and it seems to have been entirely overlooked. The government experts pole vaulting, etc. And more than have reported that it makes excellent pulp for use in the manufacture of pa are acting upon that principle which

> Pointed with Scripture. church was alone in his study when his housekeeper brought him the card of one of his parishioners, a spinster of means and charm.

When the lady was seated on the op posite side of his study table the rector looked at her inquiringly, expecting to hear something concerning parish work in which she was active. To his surprise, an embarrassed silence ensued during which he vainly sought for something to say.

"Dr. Blank," began the lady, at last, in faitering tones, "do you think-can you fancy conditions under which a-a woman is-justified in proposing?" "Why, yes," said the rector, after

In 1903 when the league was formed, some deliberation. the physique of the ordinary boy in the "Thou art the man!" said the lady. densely populated districts was fully 20 resolutely. per cent lower than normal, It was

She was right.

You can't tell what a man's manners mice are a' deid."-Dundee Weekly are until you have eaten with them. News.

## nearly normal in development. More

Governor Densen Has Received One Hundred and Twentyfour Thousand Dollars

UNDER ACT OF THE CONGRES

Money Goes to lilingis Veterans of th Spanish-American War-Geological Survey Work in Prairie State.

Springfield, July 21.-The veterant of the Spanish-American war who served in regiments from Illinois wil be pleased to learn that Governor Deneen has received from the United States \$124.071.49 under act of con gress of the United States, approved March 3, 1820, to pay for service rendered as Illinois volunteers.

This account has been hanging fire for a long time, but through a recent visit to Washington the governor was enabled to secure the money, and Spanish-American war veterans will now receive the remanerations long due them.

Officers also will share in the fund Both officers and enlisted men will receive pay from the time of arrival in throughout the valley of the river. The Springfield to the date of muster into the United States service at the following rates of pay: Colonel, \$9.72; Heutenant colonel, \$8.33; major, \$6.94; captain \$5; battalion adjutant, \$5; first Beutenant, \$4.17; second lieutenant, \$3.89; first sergeant, \$1; sergeant, \$0.72; corporal, \$0.60; artificer, \$0.60; private, \$0.52.

> Amounts Due Organizations. The different organizations of Illi-

lowing amounts 1at Infantry, Chicago ..... \$13,174 51 2nd Infantry, Chicago ...... 14.821 A 7th Infantry, Chicago ...... 18,609.8: Headquarters, 34 Infantry .... 1,059 08 Co. A. 3d infantry, Streator ... Co. B. 3d Infantry, Juliet ..... Co. C. 2d Infantry, Ottawa.... Co. D. 3d Infantry, Aurora.... Co. F. 3d Infantry, Pontiac .... Co. G. 3d Infantry, Woodstock, Co. I. 3d Infantry, Aurora ..... Co. M. 3d Infantry, Rochelle ... Headquarters, 4th Infantry ... Co. C. 4th Infantry, Carbondale Co. E. 4th Infantry, Mattoon . 'o. F. 4th Intantry, Mt Vernon Co. G. 1th Infantry, Effingham Co. H. 4th Infuntry, Paris. 1. 4th Infantry, Vandalia Co. K. 4th Infantry, Lite hillerd. Co. L. 4th Infantry, Olney .... 1.156.51 Co. M. 4th Infantry, Urbana... Headquarters, 5th Infantry ... Co. A. 5th Infuntry, Pittsfield. Co. II. 6th Infantry, Taylorville Co. C. 6th Infantry, Springfield Co. D. 4th Infantry, Bi mington 5th Infantry, Hillshore, Co. F. 5th Infantry, Quincy ... Co. G. 5th Infantry, Pokin ..... Co. 11, 5th Infantry, Decatur. Ca. I. 5th Infantry, J'ksonville Co. K. 5th Infantry, Delevan. . Co. L. 5th Infantry, Proris.... Co. M. 5th Infantry, Canton ... Headquarters, 6th Infantry .... 1 425 43 Co. A. 6th Infantry, Rock Island Co. B, 6th Infantry, Genesea. . Co. C, 6th Infantry, Galesburg. Co. D. 6th Infantry, Abingdon, Co. E. 6th Infantry, Sterling .. Co. F. 4th Infantry, Moline ... Co. Q. 6th Infantry, Dixon .....

Co. H. 6th Infantry, Monmouth Co. I. 6th Infantry, Morrison .. Co. K, 6th Infantry, La Moille. Co. L. 6th Infantry, Freeport. Co. M. 6th Infantry, Galena ... Hendquarters, 8th Infantry .... Con. A. B. C. D. E. F. 8th Infantry, Chicago Co. G. 8th Infantry, Bl'mington Co. H. 8th Infantry, Springfield Co. I. 8th Infantry, Quincy .... Co. R. 5th Infantry, Chicago,

720 02

Co. L. 8th Infantry, Mound City Co. M. 8th Infantry, Cairo. . . . . Headquarters, 9th Infantry . . . . Co. A. 9th Infantry, McLeans-Co. B. 9th Infantry, Shawnee-

Co. C. 9th Infantry, Carmi .... Co. D. 9th Infantry, Elizabeth-

Co. G. 9th Infantry, Mt. Carmel Co. H. 9th Infantry, Fairfield. 9th Infantry, Louisville, Co. K. 9th Infantry, Mt. Vernon 9th Infantry, Belle Pritie 9th Infantry, Flora .... Headquarters, 1st Cavalry .....

roop A. 1st Cavalry, Chicago. 1,469.17 Troop B. lat Cavalry, Bloom-Proop C. 1st Cavaley Chicago. Troop D. 1st Cavairy, Spring-From E. 1st Cavalry, Chicago.

F. 1st Cavalry, Chicago. G. 1st Cavalry, Bloomlet Cavalry, Chicago 1st Cavalry, Chicago, Troop L. 1st Cavalry, Lacon ... Froop M. 1st Cavalry, Chicago.

Battery A. Danville, ...... 17,000,000, Portugal by 4,000,000, Aus-Spanish war veterans should apply tria by 3,000,000 and Germany by 2,000, at once to the adjutant general, Springfield, Ill., for blank affidavit, The adjutant general will verify same and Governor Deneen, upon proof claim, will mail check to each bene-

Geological Sarrey Work.

Active field work for the present season has been begun by the State Geological Survey. The heavy rains and flooded bottoms delayed the beginning of the work, since one of the most Important duties of this bureau is the mapping of the river bottom lands. This is preparatory to determining means for protecting them from floods and for the purpose of affording data regarding possible power development and navigability of the streams, 'On the Sangamon river maps have been completed from Petersburg to Riverton, and a party in charge of P. E Fletcher is now running levels from Petersburg to Beardstown. Later levels are to be run from Riverton to Monticello and up Salt Fork to Chuton.

On the Kaskaskia the level lines are completed and a party of engineers is now engaged in making a complete map of the bottoms. Last year the river from Keyesport to New Athens was mapped, and in the course of the winter Shoal Creek has been mapped from Greensville to its mouth. The party now in the field, consisting of Messrs, E. W. McCrary, S. K. Atkinson, Lee Morrison and assist----pect to complete the mapping of the main stream from Cowden to its month this season. This party will live in camp and travel by boat. The Kaskaskin has been so neglected and is so filled up with sand bars and logs that it was necessary to build a special shallow-water boat to transport the party. The boat, which draws only ten inches of water when loaded, and which is driven by a small gasotine engine, was built at Carlyle and is

Map the Big Muddy.

now in service.

On the Big Muddy, Messrs, Morrison. Duck and Hughes have been busy at such times as weather permitted through the winter, with the result that much of the river from its mouth to above Carbondale is mapped. Owing to the high water it has been inpossible so far to do any work on the Little Wabash, Last season the United States Department made a drainage map of the bottom from Carmi to Clay City, and this season the work is to

be extended. Regular topographical surveys have been taken up for this season by a party working under W. J. Floyd and making bendquarters at Duquolo. It is planned to complete the work from Herrin to Murphysboro. Later in the season surveys in the vicinity of La-Salle, Galena and Bridgeport will be taken in: This work is being done in co-operation with the United States Geological Survey.

Examine Mineral Resources. Not only are the river and topo

graphic surveys being pushed, but this will be a busy senson in the investigation of the mineral resources of the state. Messrs, F. W. DeWolf, John Udden, G. H. Cady and T. T. Savage devote their special attention to the coal fields. Frank Layman is busy collecting samples of clay supposed to be suitable for mixing with the Ilmestone and making Portland . + ment. There samples are being tested at the university by Professor Bleininger. E. F. Lines will work on the fire clays of the western part of the state, tracing their outcrop and testing their quality. J. A. Udden, of Augustana college, will study the artesian wells of the state, and Raymond Blatchley, with the assistance of Director Bain, will make special stud les of the oil fields. Stuart Wester will continue his studies of the hour-tone and J. C. Jones will study the distribution of gravels and the depth of the surface wash in the southern cont fields. Altogether it bads fair to be a pretty busy season for the ties logical Survey

It is interesting to note that in value of its mineral output lillnois how is only surpassed by Pennsylvania and Ohio. The oil output, amounting now to over thum barrels per day, in more than that of any other state except Oklahoma, and pectally California. It exceeds all of the Appularitian states together. It is worth approach 484.84 | mately as much as the gold output of California, while the cost output more than equals the gold from Colorado and Alaska, the two largest presince to The clay pits yield more than the silver mines of any state in the Union. and if to these items be added the cement, limestone, sand, fluor spar, pyrites, lead and rine ores, and other materials infined, abundant field for the activity of the Survey corps will be apparent.

Object of Survey.

The object of the Geological Survey in to make complete studies of the geology and mineral resources of the 1 494 99 state with a view to their efficient and economical development. In 1996 the total value of the mineral output of this state was \$121,000,000. In 1907 preliminary figures indicate that the total was approximately \$143,000,000. This rapid expansion warrants the expenditure of a reasonable sum to se enre efficiency and devise preventing waste. One of the means adopted by the Geological Survey is the making of accurate topographic mans, which are at the same time available for a wide range of englgovernment paying half Twelve such maps have pleted and issued and eight more are practically complete. Seven buileting have so far been issued by the Sur They deal with the cond clay cement materials and other resources of the state, and five more of these

> building are ready for printing. Survey of the Bottom Lands.

A survey is being made in connection with the Internal Improvement commission and the national government, of the various rivers and the lands anbiect to overflow, with a view to stream improvement, for power pavigation and land reviamation our somes. It is estimated that in the bot tom lands of the state to be reclaimed and protected from overflow there will be added to the taxable values of the state more than \$100,000,000 above the cost of doing the work, besides resulting benefits from health improvement throughout the areas recovered.

The value of the work done by the Geological Survey has been conspicuone and in Governor Deneen's bienmal message he recommended an increased appropriation for the continuance of its labors. The Forty-fifth General 14 sembly continued Its appropriations and added \$15,000 for a special survey of the streams.

Womantike.

Ostend-The paper says the women's einh went out on a cachting party with fifty members-all told. What does "all told" mean, pop?

Pa-Oh, I guess it means they all told everything they knew about the members that did not go.

A New Core.

A doctor whose practice lies mostly in the country districts was recently tee rejoices over the discovery that called to attend a plowman's boy, whom the sea has added 30,752 acres to the he found to be suffering from whoop- British Isles in 25 years and carried ing cough. Among his instructions he away only 419 acres. The land cut told the mother to "put some fee in a off has been valuable, however, while bug and tie it around the boy's head." the sandbanks added may remain use-Next day he called again and was met less for many years. at the door by the guidwife, who, in answer to his query, replied, "Are, Jockle's a heap better the day, but the

Land Gained from Sea.

The British Coast Erosion Commit-

Summer engagements seldom survive the frosts of winter.

It is better to be an ugly duckling than a silly goose.



unusual appetite. And the simple food before him was beyond criticism. "It doesn't seem quite right for the doctor to coop up a fine girl like you in this out-of-the-way place. For you

must be a fine girl. I would like to look at you." She came slowly and stood besid

The light from the mantel lamp fel He stared up at her, his lip quiver ing, his hands trembling.

There was a moment's silence. "Is it you, Frances?" he whispered. "Yes, father." She stooped quickly, her round arm

was about his neck her blooming cheek was pressed against his pale one. "My dear dear child," he brokenly

tle. "And you have come to take care "I've come to make you well, father. "And you are the companion?"

"We will be quite alone here, father -just you and me." He looked at her tenderly. Then his "You are a fine girl, Frances a

The girl raised the lamp.

the point of contact with the disc.

can Association for the Advancement of Science, in Chicago, attention was work on the Panama Canal is changing

vey of the Panama Canal zone.

luxuriantly in it. Architects find no more difficult problem than that presented by the acoustics of lecture and concert halls. The subject has been investigated by Prof. Wallace C. Sabine of Harvard, who pend mon two variables the form and the materials. The essential features of the materials are their absorbing Museum lecture hall was modeled after the Sanders Theater in Cambridge, but failed to reproduce its excellent acoustic properties. The reverberation of

as a window Hollerin' so dat we hol's our bref-Screech owl got us skyaht half to de'f

Like his kin disowned him an' de rent

splendid girl. I-I am very proud of On' wifout no trouble, 'cepin' what dep

Three Feet and a Yard. The trouble with buying residence property by the front foot is that it requires considerably more than three feet to make a presentable "pard."-Kansas City Star.

his wife's dream of a bonne