Applicable with a property of the star was a section of

talled all good and antiques as surely one

How to Spend a Long Time Under Water Without Serious Results -Artificial Respiration.

emy.

cramp—muscular spasm induced by cold—may be avoided by not staying in too long. If you come out of your machine with blue lips and chatter.

-by their competitors long years ago.—C. W. Saleeby in London Acad-

The June number of Man contains

where, to wear a sword; indeed, in

Japan he was entitled to wear two

the top it is pleced with a hole an inch and a half long, which has been utilized to attach a small cord or tape and toggle for convenience of hold it in the girdle. The cord is of pale red color now, a little faded.

The boku-to, cord and toggle weig

Steam Boilers as Puriflers, TV

The boiler is a steam producer and

nothing more, yet one of the sur-

of the steam plant designed particu-

Ovafworked.

N. Y. Times. "Yes," remarked the sawmill owner,

prising features of power plants con-

together under four and a half ounc avoirdupois. The two specimens no described were bought at Atima, Japan, a few months ago.

Before considering the muscular stay in much longer. None of the problem I should like for one moment to revert to the feat of swimming under water. I have not the records at hand, but I believe one hundred will be to bathe after a heavy meal nor whilst perspiring; and more muscular spasm induced by problem I should like for one moment to revert to the feat of swimming under water. I have not the records at hand, but I believe one hundred yards have frequently been swum under water, and certainly more than four minutes have been spent under water without evil consequences. But it is quite useless to attempt the emulation of these feats anless you know the secret. If you desire to win a plate-diving competition by bringing up fifty or sixty plates from the bottom of a bath at one immersion you must first acquaint yourself with an interesting physiological fact. It is possible to hyper-aerate the blood. Before diving you must take a number of long and rapidly-succeeding breaths, far in excess of present need. Your machine with blue lips and chattering laws you have done yourself'
more harm than good. The human
supply of fat is not sufficient to be
as effective a non-conductor of heat
as is the blubber of the whale and
the few other warm-blooded mammals whose ancestors were driven
back t the sea—where all life began
hy their compatitors long years in excess of present need. Your blood is thereby stored with sufficient oxygen for several minutes, and if you are active and have learnt to keep your eyes open under water you have a fair chance of vic-The June number of Man contains an article on two Japanese boku-to, or emblems of the medical profession, says the Lancet. These objects were wooden swords worn by medical practitioners in Japan before the revolution of the last century, which displaced so many of the old customs of the country. A man of rank was formerly entitled in Japan, as elsewhere, to wear a sword indeed, in tory. The same thing may easily be produced in an anaesthetized animal, produced in an anaesthetized animal, by inflating the lungs with a pair of bellows. It will entirely cease to breathe for several minutes. There is simply no occasion. It is the production of this state, technically known as apnoea, which is the secret of successful long submersion.

The young man, almost alone amongst animals, has to learn to swim. Nevertheless he is at a great advantage as compared with such an

swords. The retainers of a diamic or feudal lord also wore swords. The medical men's swords were generally of a somewhat fanciful description and were made in many forms; some contained lancets, others contained knives for cutting herbs, but the majority were quite plain.

One of the objects now described and figured is in the shape of a large them. advantage as compared with such an animal as the dog, which has no such extended surface as the human hand wherewith to propel itself. A demonstration of this simple mechanical fact is well afforded by an exhibition. and figured is in the shape of a large bean pod. Its beanlike curvature approximates to that of a Japanese sword.—It is seventeen and a half inches in length and of a nearly uniform—circumference of four and a half inches or thereabout. It is made of some fairly hard wood which takes a polish, and it is carved to indicate seven seeds inside. Wrapped around it is a silken cord. Together with this cord it weighs six and three-quarter ounces avoirdupols. On the side there are represented in lacquer a grasshopper and another tion of swimming with large plates strapped on the hands and feet, wherewith a single stroke will propel

wherewith a single stroke will propel the swimmer for yards. The art of swimming as a feat of nervous co-ordination, is a simple one for the obvious reason that it is one for the obvious reason that it is, symmetrical. Any planist knows the difficulty of playing triplets with one hand and quavers with the other. So in all muscular action. In a symmetrical act, such as swimming, the two halves of the brain act in entire unison, the left or "leading" cerebral begissphere (in "leading" cerebral hemisphere (in right-handed persons) lacquer a grasshopper and another large insect. On the other side are similarly represented a wasp, a small fly somewhat like the common house fly, and apparently a small bettle,

The other boku-to is more interestright-handed persons actuating the right arm and leg and simply saying to the right half, "Do as I do." This is assuming what is unproven, but probable, that the voll-

proven, but probable, that the voll-tional center is the "leading" hem-lephere. Why each half of the brain should control the opposite half of the body is another question. One of the virtues of swimming is that it tends to develop all the muscles equally. Herein it is su-perfor to cycling or association foot-ball, which neglect the arms; to tennis, which ignores one arm and develops "tennis elbow" in the other, and even to cricket, which ignores the left arm, except in batting. Not that for one moment do I desire to support the modern crazes which give appropriate exercises to develop every muscle—or every muscle known to the inventor, and which therein doly the flat of evolution which to the inventor, and which therein doly the flat of evolution which is relegating some muscles, now use-less to a well-earned obscurity. The muscles of the foot were formerly indispensable to our arboreal an-cestors, but are quite superfluous in

indispensable to our arborent and considered and constitution in the constant use of the symmology promotes the muscular development with some sense of proportion, but expends not time in raising about lumps of hypertrophied muscle, hidrons and useless, in all sorts of out-of-the-way places. Swimming naturally suggests the manner of handling a drowning person, which is perhaps not, in the ordinary sense, scientific; and the means of rescuscitating persons apparently drowned. The whole question to the constant use of the boiler as a water purifier. Time and again consulting conglineers factor protected against this practice, and bollermakers have made a strong objection to it as their business interplant is installed for wealthy purchasers in which the formation of scale is certain to occur rapidly. The cost of removing this scale and of leasing of the use of the boller is sufficient in many parts of the country to warrant the installation of purifying apparatus, yet they are raretion of artificial respiration is now being experimentally scudied by Prof. Schafer, in Edinburgh, at the Instance of the Medico-Chirurgical Society, of London, and we may lope for a final dictum as to the method which is most likely to restore the natural action of the respirator centre of the brain in such cases.

The high value of swimming as an experimental the installation of purity seen. Suspended matter can be removed by filteration and dissolved with the water reaching the boiler will be practically pure. The apparatus for the purpose is not expensive, and its introduction will effect the removal of the

such cases.

The high value of swimming as an scale-producing cubstances in a part receive is complicated by the exposure of the skin to a medium of much lower temperature than itself. Generally speaking, it may be laid down that the value of a seabath is in inverse proportion to its length. The shorter the dip, the more marked is the healthy reaction of the circulation and the cutaneous functions. Of course, one is rapidly to tag heat to the water all the time, and beyond a certain point this is undesirable. The hen is immune to the death a hen with its marked is the healthy reaction anthrax: but stand a hen with its cold water and then inocutate the bacilii. The hen will become infected. If this loss of heat be compensated by the evolution of much heat as a result of muscular action, as in swimming, one can afford to

HE COULD NOT LACE HIS SHOE

"My brother advised me to try Dodd's Kidney Pills, and after taking three boxes, I began to walk, do my work, and lace up my shoes. And the best of it is, I have had no Rheumatism since."

Dodd's Kidney Pills take the uric acid out of the blood, and the Rheumatism goes with it.

Hixon—You are certainly one of ortune's favorites. You have sucfortune's favorites.

ceeded in everything.

Nixon—Yes, everything. everything except

love.
Hixon—How's that?
Nixon—The first woman I ever loved gave me the frosty mit, the second eloped with a lightning-not peddler, but the third proved the vorst of all. Hixon—What did she do? Nixon—She married me.

I was cured of painful Goitre by MINARD'S LINIMENT. BYARD MCMULLIN. Chatham, Ont.

I was Cured of Inflammation by

MINARD'S LINIMENT.
MRS. W. W. JOHNSON. Walsh, Ont.
I was Cured of Facial Neuralgia by MINARD'S LINIMENT.

J. H. BAILEY.

Parksdale, Ont. ing. It is a rough piece of willow, eighteen inches iong and broader at the bottom than the top. Japanese characters meaning spider boat have teen deeply cut upon it. At a distance of three and a half inches from the tee it is placed with a bellean

Suggestive. N. Y. Herald.

Kicker-Was it an up-to-date wedding?
Knocker—Yes, indeed; they threw breakfast food instead of rice.

Chase's Ointment is a certain and absolute cure for each and every form of itching, bleeding and protruding piles, the manufacturers have guaranteed it. See testimonials in the daily press and ask your neighbors what they think of it. You can use it and set your money back if not cured. 60c a hox, at all dealers or EDMANSON, BATES & CO., Toronto,

Dr. Chase's Ointment

SIR WALTER ON GHOSTS.

1 Do Not Believe My Own Experience Would Convert Me "

One of the letters written by Sir Walter Scott to his valued friend, Mrs. Hughes, published in the August Century, says, among some per-

senal chat: Dear Mrs. Hughes; . . . Your recollection is very vivid, & I doubt still it falls short of legal testimony; the recollection of our childhood on su a topic as that of ghosts & gobins is apt to be strangely mixed with exaggerations, a sort of embroidery exaggerations, a sort of embroidery which your fancy is so apt to lend such strong coloring as misleads even its owners. Our law has wisely I think, introduced a prescription of crimes, from the idea that human testimony becomes unsetted by the lapse of time & would be directed more by the imagination than the absolute recollection. I therefore, my dearest hady, paylarly for the purpose and not in the boders, intended for a wholly differ-ent service.—Engineering Record. I therefore, my dearest hady, pay-ing the utmost credit to your testiing the utmost credit to your testinony, yet the occurrence of so old a date must not alter my doubts; it winns believe for me. It would be very curious to see the Ghost diary properly, but on my word I cannot believe it ever to have had an existence; the story is never told the same way, though there is a kind of general resemblance.

I do not believe my own experience would convert me; though I might tremble I "We're so busy now we have to keep our plant running day and night,"
"Why," returned the visitor, "I thought this was your dull season."
"We'l, it is usually; but we've got a rush of orders from the breakfast

vert me; though I might tremble I would reverse the part played by the devils and certainly not believe. I wish you would write down Mrs. Ricketts story as well as you remember it. Every such story on re-spectable foundation is a chapter in the history of the human mind. Still I think the balance of evidence preporderates so heavily upon the side of imputing all such appearances to natural causes that the mysterious stories "winna believe for me." I am sorry for it; I liked the thrill that attended the influ-ence of these tales, & wish I were able to wander back through the Mrs. Radeliff's romances nazes of Mrs. Rade. It's romances. Dut, nins! I have been so long both a reader and a writer of such good-by matters that

Dourness familiar to my slaughterous thoughts Cannot e'en startle me."

Missed Something.

They were wandering through one of the famous galleries in Florence.
"You seem disappointed in the
pulntings," observed her companion.
"Yes," said Miss Gaswel. "I don't see any burnt work.

Montreal Herald. d, h has to hump

GIRLS WHO BORROW MONEY. nplaints in London That Bridge i

Making Them Forget Modesty.

Till Dodd's Kidney Pills Drove
Away His Rheumatism

Story of W. J. Dixon has set the Rainy
River Settlement Talking.

Barwick, P. O., Aug. 10.—(Special)
—Ambibg the settlers(sittle the cure, of the cure, as told by Mr. Dixon himself, is as follows:

"During the summer of 1901, I had an attack of Typhold Fever, and after I got over it Rheumatism set in. I had pains in my back and in my right hip so bad that I had to use a stick to walk and had no comfort in sleeping.

"I could scarcely dress myself for nearly two months, and for three or four weeks I could not lace my right knee.

"My brother advised me to try, Dodd's Kidney Pills, and after take.

"My brother advised me to try, Dodd's Kidney Pills, and after take.

"My brother advised me to try, Dodd's Kidney Pills, and after take.

"My brother advised me to try, Dodd's Kidney Pills, and after take.

the long hours spent indoors that are injurious to women's health and looks. Here bridge has been discouraged most in the summer. But in Westchester and at Tuxedo women have bridge clubs for almost every day, and they sit indoors during the entire afternoons, when they might be thought willing to give up bridge for golf, tennis, driving or some of the diversions not possible in the winter in New York, when bridge is always in abundance.—N. Y. Sun.

Atlantic City, Cape May, Sea Isle City, Ocean City, via Lehigh Valley Railroad, August 4, 18 and 25. Tickets only \$10. The round trip from Suspension Bridge; stop-over allowed at Philadelphia.

stop-over allowed at Philadelphia. Tickets good 15 days.

For further particulars call on or address Robt. S. Lewis, Passenger Agent, 33 Youge street, Toronto, Ont.

Always the Same.

The present King of England, when Prince of Wales, once asked a pretty voman her age. She replied: "Just 25."

Five years later he met her again and asked the same question.
"Just 25," she again replied.
The Prince smiled and said:
"Five years ago you made the sai

"Ah, Your Highness," was the re-joinder, "surely you don't think I am a woman who says one thing to-day and another thing to-mor-row?"

Lever's Y-Z(Wise Head) Disinfectant Soap Powder is a boon to any home. It disinfects and cleans at the same time.

> That Settled it -And Him. Philadelphia Press.

"She ain't at home, sor," said the new maid. returning from the floor above.

"Are you sure of that?" demanded Mr. De Trop, suspiciously. "Faith, Oi am not, but she seem

SCROFULOUS HUMORS, ECZEMA and all other eruptions may be conquered in their hideous infaucy with Weaver's Syrup, assisted ex-ternally by Weaver's terate.

An Eternity to Him

Chicago Tribune Mamma-But, darling, you should not be angry when hobby gets the larger piece of pie-he's the older.

Bessle-Yes, that's just it. He's been eating pie two years longer's I have already."

ENGLISH SPAVIN LINIMENT Removes all hard, soft or callouse lumps and blemishes from horses blood spavin, curbs, splints, ringbone sweeney, stifles, sprains, sore and swollen throat, coughs, etc. Save \$50 by use of one bottle. Warranted the most wonderful blemish cure ever

No Getting Away. Alice—Yes, Jack Hastings kissed me several times yesterday, and really I had no redress. Maud—How was that? He had a sprig of mistletoe fast-ened on his umbrella, and then in-

sisted on keeping it hoisted when-ever nobody happened to be near!"

August 11th, Excurs on to New York August 11th. Excurs on to New York.

What the page thive been looking for his been put within their grasp—an excursion to New York.
Tickets will be sold on Aug. 71, from Suspension Bridge or Buffalo, and good for return for fifteen days via New York Central and West Shore, with firlinge of trip down the Hadson River by boat at \$9.00 by West Shore and \$10.25 by New York Central Address L. Drago, No. 69% Yonge street, Toronto, for further information.

Wall take a work horse parade and decorated floats, and a work horse parade and decorated floats, and a work horse parade and econtent will be a grand Military Review in which American Regiments will march with the soldiers of the King, and artillery and Infantry of many corps will join in producing a spectacle, the like of which has never before been seen in this Province. This will take place at the Jockey Club grounds, and will continue all afternoon and evening, closing the Carnival in a blaze of enthusiasm.

Added to the attractions named is the Mid-

Tipping the Wrong Men.

Boston Transcript.
Some one in canvassing the tip sub-ect has discovered that we tip the ject has discovered that we tip the wrong people all the time. Particularizing, the discoverer declares that it is the cook, not the waiter, who should receive this material expression of our favor, and that it is the engineer, not the conductor, who should have the extras for getting as about on time, when we travel in us about on time, when we travel in haste. Of course, this discovery will not result in the searching out of the man behind the man who reaches out his hand for the tip.

> Still in. Chicago News.

Green-Jones came to me with a great financial scheme a few months ago, and offered to let me in on the

Pure soap l" You've heard the words. In Sunlight Soap you have the fact.

REDUCES EXPENSE

Nan-Is there any infallible cure

or seasickness?
Tom-Oh, yes; when you feel the ymptoms coming on all you have to do is to go out and sit under Minard's Liniment Cures Garget in Dismal.

Chicago Record-Herald.

"Remember," said the optimist,
"every day'll be Sunday by and by."
"Yes," groaned the pessimist, "and
I'll bet there'll be morning and evening services right along, too." Minard's Liniment Cures Distemper

The Strennous Life for Boys. The strenuous Life for Boys.

And do you suppose that a boy is any the tess a gentleman and a good citizen, from having learned to stand up for his rights, and to resent improper interference with his affairs? Do not these qualities contribute to his success, and will they not, when properly directed, contribute to his speaks of your son and

bute to the success of your son and mino?

Let your boy learn to box, to wrestle, and fence, and so develop every inusele. I nover yet saw a boy who knew how to box, strike anyone with a club, a stone, or a dangerous weapon.—Judge Sinte's A Few Real Poys," in Leslie's Month-

Minard's Liniment Cures Colds, etc.

The Music Cure.

Dr. John T. Crippen, of Waterloo, Iowa, a pioneer in the Mathodist Church, will this month celebrate the fiftieth anniversary of his entrance into the ministry. In forty-five years he missed but one Sunday, that being on account of illness, aid in the entre half century he has missed but four, three of them coming in succession. He has dedicated ninety-two churches. Dr. Crippen always looks at the bright side of things. During the illness which kept him away from church four weeks his physician had given up hope of his recovery, but he had not. His wife in all seriousness asked what songs he wished sung at his funeral, and he said if she had no choice they might sing, "When Johnnie Goes Marching Home," and Dr. Crippen's recovery dated from that moment. The Music Cure

Minard's Liniment Cures Diphthe-

Adam's Dream. There are no exchange tickets on the road to success.

Hamilton's Great Carnival and Reunion of Old Boys.

Thousands are sure to attend the great Carnival and Reunion. It is only fair to say of the people of Hamilton, Ont., that when they undertake anything it is always well done. They have that reputation, and this coming nth, with their monster Carnival and Old Boys' Reunion, they are going to eclipse every previous effort. The dates are August 17th, 18th, 19th and 20th, and there isn't a minute of the whole time, according to the program, ere wont be something d Monday, the first day, the Old Boys will be welcomed home. There will be athletic sports, massed band concerts and boxing tournaments. On the second day, the Old Boys and Veteran Firemen will parade. There vill be sailing regattas, and grand fairyland illumination of the far-famed Hamilton Beach In the city parks, and at night in the Armory milding, there will be band concerts. Or Wednesday there will be a monster flora parade of carriages, a Gymkhana parade and Gymkhana sports at the Jockey Club grounds and a reunion of Central School pupils of the past fifty years. 3On the evening of this day there will be a magnificent fireworks displain Dundurn and Harvey Parks. Thursday he last day of the Carnival, is Civic Holiday in Hamilton. It will be a great day There will be a Trades Parade in the morning with decorated floats, and a work horse parade and

Added to the attractions named is the Midway and Street Fair, held in the centre of the city, in which there are no less than fifteen vonderful shows, as follows:

The Streets of India. The House Upside Down. The Ferris Wheel. Dog and Pony Circus. German Village. Down in Dixie. Aztec Twins. Garden of the Gods. The Girl from Up There. Buckskin Ben's Wild West. Trip to Melodia. Aquatic Circus. Moving Pictures. Night in the Orient.

If you want to forget your troubles; if you want to renew your youth; if you want to have

ISSUE NO. 33, 1903

50 GIRLS WANTED FOR BISCUIT FAC-D. S. PERRIN & CO.,

OFFICIALLY AUTHORIZED LIFE OF Pope Leo by Mgr. Bernard O'Reily and the famous "Business Guide." Both in English and French: makes positively the strongest proposition ever offered to agents; no book ever had such a phenomenal sale as the "Business Guide." If you have any interest in coining money honestly and very rapidly, write quick for territory and be first in the field, Experience not necessary, we run all risk. Don't sleep till you write. The J. I. Nichols, Go., Limited, Toronto. Mention this paper.

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A staff largely of Specialists. A thorough and extensive course given. A remarkably healthy location. The only college in Canada that rejects day pupils to give special superior social advantages to those boarding. Noted educationists commend most highly Demill Ladder' College as a safe Christian home for girls. Parents, make a note of these facts. Terms reasonable. Send for calendar to Rev. A. B. Demill., President, St. Catharines. Ont. (Mention this paper.)

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al o by steamers Hamilton, Sparts and Corsican. Further information apply to H. Foster haffee, Western Passenger Agent, Toronto

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for Spavins, Ringbones, Splints. Curbs and all forms of Lameness. The use of a single bottle may double the selling price of your horse.

GOOD FOR EVERYTHING.

time. I use from twelve to fitteen bottles a week and fine it an excellent remedy for Spavins. Sweeney, Galla and all Cuts and Swellings. I have two hundred head of borses in my Yours very truly, H. W. LAIRD.

Each Pill Contains

all the medicinal qualities of one and one-half ounces of the best Holland Gin. As a positive cure for all kinds of Kidney trouble.

GIN PILLS stand unrivalled. It is not necessary to wait for days for beneficial results, you know at once that Gin Pills are helping you. Sold by all Druggists at 50 cts. per box, 6 boxes for \$2.50 or direct from

- - WINNIPEG, Man THE BOLE DRUG CO.,

SUPERIOR TO ALL OTHERS



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For sale by all first class dealers INSIST ON GETTING EDDY'S

In England a candidate "stands" for office. In Carrel he has to hump himself and run for it.

ago, and different to the ground floor.

Brown—And of course you went in.

Green—Yes.

Brown—How did you come out?

Green—Didn't come out at all.

There were no exits.

want to renew your youtn; in you want to renew your property.

a week of unadulterated, pure enjoyment, you will visit Hamilton during Carnival week.

The railways are all issuing return tickets for the great show at single tare rates.

Trained Wild Animals in a Steel Arena. R. B. J. KENDALL CO.,

Dear Sirs :— Galistoe, N.M., June '18, 2900
have been using your Kendali's Spavin Cure for so.

Luse from twelve to filteen bottles a week and

Thousands of Men report equally good or su perior results from its use. Price 5i; six for 8'. As a liniment for family use it has no equal. Ask your druggist for Kendall's Spavin Cure, also "A Treatise on the Horse," the book free, of

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