## CLARA BELLE'S CHAT

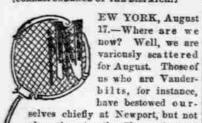
The Vanderbilts and Astors Enjoying Themselves at Newport.

M'ALLISTER'S AUSTRIAN BARON.

A Description of the Very Latest Pad in Recherche Dancing.

ONE INDIVIDUAL WHO FOUND A SEAT

CORRESPONDENCE OF THE DISPATCE.



bilts, for instance, have bestowed ourselves chiefly at Newport, but not altogether, for the Sloanes (one of the late William H. Vanderbilt's daughters, you know, is Mrs. Sloane) are up in Massachusetts at truly rural and extremely fashionable Lenox. There the Sloane chil-

dren indulge, with all the vim and more than the grace of average youngsters, in that new embellishment of the schottische called "dancing in the barn."

If you ever witnessed a performance of "The Old Homestead" you heard the vocalists of the company sing a song called "Dancing in the Barn." The air has been utilized for the singular round dance now suddenly in vogue. The movement consists of some ordinary schottische revolutions, and then the couple loosen their hands, but retain connection by the encirclement of the girl's waist by the fellow, while her arm still rests on his. They do not now face each other, but are side by side. Then they trot forward one long step and two short ones, again the same, after which the bit of regular schottische intervenes. If the trotting is rightly done, the dancers bend for ward and point their air-poised toes in the middle of each of the long steps.

Grown persons almost always omit this ballet touch of grace, and are awkwardly commonplace, but children frequently do it well, and none better than the Sloane grand-daughters of William M. Vanderbilt, Daring adults at most of the summer resorts are "dancing in the barn" with grotesque consequences, but once in awhile some wilconsequences, but once in a sightly manner. At Long Branch, a particularly sinuous and symmetrical exponent, who had figured for a month as a social belle from the West, was by her professional accomplishment identi-fied as a member of a ballet. Her mother and chaperon proved to be from the rear line of the same converge. of the same company.

#### BOOTH ON HIS DIGNITY.

But we are wandering. The present important Vanderbilts, Cornelius and William K., are at Newport, and their town houses look dismal with boarded doors and windows. Edwin Booth is at Newport, too, and he was approached lately with the suggestion that he might get any price he chose to ask for a recitation at an Astor reception. The idea was broached to Booth's business agent by an intermediary, and it was hinted that, of course, he would and it was hinted that, of course, he would be as much honored as any other guest, and he could speak his piece with no sign of prearrangement. Booth smokes a black meerschaum pipe vet, in spite of his last winter's vertigo, and his favorite beverage is rank old ale; but he is the soul of professional dignity, and he has never since boyhood been an entertainer otherwise than in a drama, and I don't believe, rich as he is, that a \$100,000 would hire him to give one drawing room recitation. one drawing room recitation.

Those of us who are Astors are mostly at at Newport, too, including the newest and unmarried John Jacob Astor. We call him Jack Astor, and wonder what girl will eateh him for a husband. He is a magnitudinous matrimonial prize, and I could name a dozen girls of the Four Hundred who are out to they don't love one another.

"Oh, I must get to the Casino to see Jack Astor," one of them remarked. "That was the very last thing he said." "Being probably the last thing he wished," was the other maiden's retort.

THE GREAT AND ONLY. What is Ward McAllister doing this summer? Did you imagine that the creator and savior of the Four Hundred was downed by his defeat last winter, in the fight for contro of the Centennial ball? Not so. He has taken an Austrian baron in hand, and is sponsoring him at Tuxedo. Newport and Lenox. There was already a German baron in the field. His name is actually Ver-geissmichnicht, and I can't help wondering really seems a pity to have to extend it by a



He is a handsome young giant, who wears a mustache almost as white as his white flanuel suit of the morning or the expanse of his shirt front in evening dress. He is big enough for a whole regiment of the ordinary dancing men, and when the Baron

"No. The Eiffel tower is only Parisian. This was like the apotheosis in 'Faust,' a regular German heaven."

THE BARON CROP. Now, the crop of barons is confined to no one country. There are German, Austrian and French specimens at every big watering place in America, and Newport is always fully supplied with them. The representa-tives of the foreign legation help to make Newport society what it is, as cosmopolitan in summer as only Washington is in winter, and the general harmony and good will add to the attractiveness of this element. To be sure that young giant of a Vergeissmich-nicht is too essentially Prussian a type not to have attracted by no means friendly glances from the soldiers of the French war-ships as they strolled in their curious conception of what citizens' dress ought to be, up and down Bellevue avenue; and it was an amusing contrast to see the little French-men in their variegated suits, and broad brimmed hats of mixed straw banded with pink or blue ribbon, looking up at the enormous German as he passed them in his coahme sool white flannels. For Vergeissmichnicht certainly sums up in his own person all the value.

characteristics of his blonde race, and when his shadow falls across the path of a Gaul

his shadow falls across the path of a Gaul it is like a reminiscence of the siege of the loveliest capital under the sun.

Ward McAllister saw this, and determined to have a Baron of his own. He took an Austrian one in hand—Baron Salynne by name, but known only now as McAllister's Baron. This alliance—McAllisterian and, therefore, as royal as our Republic can furnish—was begun at the Union Club and cemented at Jerome Park, where the nobleman from Vienna and the Augustus Lumley, of New York society, unnehed tete-a-tete in a club house, favored by the Four Hundred. After a sojourn at by the Four Hundred. After a sojourn at Manhattan Beach, the Austrian visitor was translated into Newport, and here it was that he received his full title—McAllister's Baron. Great is the ever-watchful Ward! Weary of launching beauties upon society, exhausted in his conflict with the obstinate Stuyvesant, he concluded to extend his wings over a Baron. The result was never for a moment in doubt, and, like the beauties who have gone before him, the Baron will have his heart's desire. In the mean time he is setting up an opposition to the Baron Vergeissmichnicht.

LIKE RIVAL BEAUTIES, one is fair, and one is dark. McAllister's baron has a countenance that might be con-sidered Mephistophelian but for its expres-sion of good nature, a man of 40, thick set, and less elegant than Austrians are apt to be. He waitzes, however, as well as a Viennese, who has hearkened to Strauss' music, might well be expected to. His English is just defective enough to give him a enchet among belies who prefer foreigners to

their own countrymen. His conversation is



On a Long Branch boat I witnessed an incident which, if a woman should put it into a novel, would be pronounced an absurd bit of impossible invention. On trips in pleasant weather these vessels are over-crowded by passengers going to and from the Jersey summer resorts. On this occa-sion there were no chairs for those who boarded the boat last, and among these was a Wall street man and his wife. There was good reason for gallantry on his part, be-cause he was 50 years old and she was no more than 25. Of course, he was rich, and she had married him for his money; but for all that, I hold it to be a condescension in a girl to marry a man twice her own age, no

Therefore I say that this half centenarian Therefore I say that this half occurnarian should never fail in pointe deference to his quarter centenarian wife. Now, this is what he did when he found that seats could not be obtained. He stood his wife against the deck rail, and recommended her to enjoy the scenery of the harbor while he went to the barbershop to get shaved. For a full hour, or during almost the whole sail from Sandy Hook to the Battery, she was left alone, and she stood during the whole time. Just before the steamboat made fast at her city wharf he rejoined her, clean shaven and

As to what he had done during his absence I have the testimony of an unimpeachable witness. He went to the barbershop, as he had said he would, and at once got a seat in a chair. If reclining in a barber couch is as comfortable as it looks—and of course I left out of the estimate all the possibilities of torture by the razor—it is surely a restful experience, and this man should have thanked his luck for getting so luxurious a place for the 10 or 15 minutes of a legitimate shave. But when he got through he looked at his watch and found that the operation had occupied precisely 12 minutes, and the charge would be 25 cents.

#### A GOOD SEAT. "Is there anybody waiting?" he asked of

"I guess we could let you stay in that chair," was the jocular reply. "If that is what you want."

"That is exactly the idea, I will pay a dollar and a quarter, or the price of five 12-minute shaves, just to remain in the

The bargain was struck, the money was paid, and the old fraud lay there in the chair until he felt the engine slowing up on approaching the wharf. Then he hastened to his wife and told her that he had been as I write it whether in print it will escape compelled to wait all that while for his turn running from one line over into the next. It in the barber shop. That ought to be ground enough for a divorce.

One after another the occupations deemed

exclusive to men are opened to women, yet I was surprised to find a woman engaged as a bouncer. I believe that is what the enforcer of order in a barroom or other masculine resorts is called. Ex-prize fighters are commonly hired for this duty, so I have read, and a gentleman tells me that in some cases a fraud is practiced. That is to say, a man of big physique and determined visage, but really possessed of no muscle or skill to fit him for actual encounters, poses as an athlete capable of throwing a whole party of roysterers into the street, while, for a fact, he might be knocked out by the small-est one of them. But this letter is devoted to femininity, and I set out to tell of a restaurant in Grand street where a

WOMAN IS ON GUARD. The place is a cheap dining room in the immediate neighborhood of several large stores and factories in which girls are employed, and they go to this establishment in droves for their noonday luncheon. It is a commodious house, and three of its stories are fitted up with chairs and tables. As many as 300 or 400 lunchers may be seated at once. Now some of the tobaand other factory girls are very lively in disposition, and, after the restraint of several hours at work, are disposed to make the noon hour a time for joility that often

becomes boisterous.

The proprietor of the restaurant was put The proprietor of the restaurant was put to his wit's end bow to deal with the disorder. He hired a man bouncer, but the girls were not afraid of him, and rightly believed that he wouldn't hurt them. And when on several rare occasions he did eject a mischinery is an eavalry, the waltz whirls on.

"I thought," said one partner, as the the waltz ended and Vergeissmichnicht dropped her into her seat, "that it would be like the Eiffel tower!"

"And it wasn't?"

"And it wasn't?"

The proprietor of the restaurant was put to his wit's end bow to deal with the disorder. He hired a man bouncer, but the girls were not afraid of him, and rightly believed that he wouldn't hurt them. And when on several rare occasions he did eject a mischiefmaker, she would invariably have him arrested on the charge of assault. Out of this dilemma the caterer himself found a way by placing a woman on patrol duty through his dining halls. She is a sixfooter, well proportioned, too, and with the clisor-der. He hired a man bouncer, but the girls were not afraid of him, and rightly believed that he wouldn't hurt them. And when on several rare occasions he did eject a mischinery is capable of conveying 50 tons of carcases. A separate barge contains the machinery for producing the cold, which consists of one of the Pulsometer Company's refrigerative freesing machines on the ammonia compression system (Puplett's patents). The machinery is capable of cooling six barges, and the cold brine left in the pipes is sufficient to keep the cargo cool for several days. Only two men are required, and the cold with the disorder. He hired a man bouncer, but the girls were not afraid of him, and rightly believed that he wouldn't hurt them. And when on several rare occasions he did eject a mischinery is capable of conjusts of one of the Pulsometer Company's refrigerative freesing machines on the ammonia company is capable of conjusts of one of the Pulsometer Company's refrigerative freesing machines on the ammonia company is capable of conjusts of one of the Pul

New York or anywhere else. She has been on duty about a week, and She has been on duty about a week, and thus far the girls are in awe of her. The same ones who were incorrigible before, and who presumed boldly upon the fact that a man hesitates to lay his hand upon a woman except in the way of kindness, seem to have no shadow of doubt that the new bouncer would actually bounce them if occasion demanded it. Thus far she has only had to walk about at full hearth, and with a rewalk about, at full height, and with vere countenance. She is regarded as a

CLARA BELLE. ALL the latest novelties in rings and jew-elry at prices lower than ever offered at M. G. Cohen's, 533 Smithfield st.

Marvin's royal fruit biscuits are real delicacies. If you contemplate giving a little luncheon, or going to a picnic you cannot afford to be without them. TWFSu

## EVERY DAY SCIENCE Improvements in Crank and Screw

Shafts of the Mercantile Marine.

RECENT ADVANCE IN DENTISTRY.

Striking Developments in the Process of Mechanical Refrigeration.

SCIENTIFIC AND INDUSTRIAL NOTES.

Readers of THE DISPATCH who desire nformation on subjects relating to industrial development and progress in mechani cal, civil and electrical engineering and the sciences can have their queries answered through this column.

In a paper recently read before the Institute of Marine Engineers at Stratford, England, G. W. Manual, Superintendent En gineer of the Pacific and Oriental Company, gave some interesting and valuable results of his experience in the service of that company. He says that among certain duties of the engine builder, which have hitherto been treated too lightly is notably that of securing bearing surface. In present practice the oil intended for lubrication may be squeezed out, and hot bearings inevitably caused by the metal surfaces being brough into too close contact. When bearings had a pressure of 200 pounds per square inch it has been found that not more than 120 pounds per square inch should be exerted to keep them cool (this varies, according to the material of which the bearing is composed), without having to use seawater and prevent them being ground down, thus getting out of line. It has happened that a bearing in a new steamer, in spite of many gallons of oil wasted on it, has worn down one-eighth of an inch in a voyage of only 6,000 miles from insufficiency of bearing surface. The engine builder, as well as the shipowner, has been chary, of increasing the surface by lengthening the bearings; for to do this means increase of space taken up fore and

more carefully considered, as it has been found more economical to give larger bearing surfaces than to have steamers lying in port refitting a crank shaft, along with the incidental bills for salvage and repairs, and the risk of losing the steamer altogether. Proportioning the bearings to the weights and strains they have to carry has also been an improvement. weights and strains they have to carry has also been an improvement.

Another improvement that has materially added to the duration of life of crank shafts is the use of white bearing metal, such as Parson's white brass, on which the shafts run smoothly with less friction and tendency to heat. Large and powerful steamers can be driven full speed from London to Australia and back without having any water on the bearings, and using oil of what is considered a moderate price. The introduction of the triple-expansion engine, what is considered a moderate price. The introduction of the triple-expansion engine, with the three cranks, gave better balance to the shaft, and the forces acting in the path of the crank pin, being better divided, cause more regular motion on the shaft, and so to the propeller. This is specially noticeable in screw steamers, and is taken advantage of by placing the cabins further ait, nearer the propeller, the stern having but little vibration; the dull and heavy surging sound, due to unequal motions of the shaft sound, due to unequal motions of the shaft in the two-crank engines, is exchanged for a more regular sound of less volume, and the power formerly wasted in vibrating the stern is utilized in propelling the vessel.

aft the vessel, besides additional weight of

engine. This inducement, however, is now

Photographic Telescopes. An English astronomical journal directs attention to the excellent astronomical work that is being done in this country, particularly through the agency of photography, and calls upon British astronomers to bestir themselves. The recent gift of Miss C. W. Bruce, of New York, of \$50,000 to be aptelescope having an objective of about 24 inches aperture, with a focal length of about 11 feet, and of the character described by the director of the astronomical observatory of Harvard College (to which the gift is presented) in his circular of November last; also to secure its use under favorable climatic conditions in such a way as in his cience," will materially strengthen the hands of American astronomers. Stars too faint to be detected with any other instru-ment may be photographed with the 24 inch lens, and any person could thus obtain at a eomparatively small cost a map of a portion of the sky showing stars too faint for him to observe in any other way. Many investigations may be carried on by means of these plates; for instance, a search or double stars, for nebulae, for asteroids for variable stars by comparison of plates of the same region taken on different nights, for stars having large proper motion when we have the plates repeated after a consid-erable interval of time. In all these cases the plate furnishes an accurate measure of the object discovered. In some cases it is estimated that 20,000 or 30,000 stars have been photographed on a single plate. Caliornia now has the largest and most powerful astronomical telescope in the world, and this action gives it also the largest telescope to be used for solely photographic purposes.

Mechanical Refrigeration. There have lately been some striking developments in the processes by which carcases of fresh meat can be preserved during long voyages. It is found, however, that though the carcases are landed in perfect condition, as soon as they are taken from the "cold rooms" of the ships, deterioration commences. In order to avoid this, the London & Tilbury Co., London, England, have provided a special fleet of barges. The barges are entirely independent of the source of refrigeration, and can be attached to and separated from the refrigerating apparatus with great facility. They are constructed in a similar manner to the cold chambers on board meat-carrying steaners and are each capable of conveying 50 tons of

with 2,000 sheep. The cargo was landed in splendid condition, the temperature having all along been kept under freezing point. This is the first time a cargo of frozen meat has been brought in a barge from a foreign country, and the satisfactory result of the experiment will probably lead to a further development of this trade.

### Twig-Screw Steamers.

C. Corbett, in a recent article draws at tention to the fact that the success which the City of Paris has won at sea, and the Monmouth in New York harbor, would indicate that twin-screws are the coming system for both ocean and river navigation. He predicts that in less than five years there will be twin-screw steamers running from New York to Albany and Troy, and in Long Island Sound to Fall river, Providence, etc., the routes now traversed by our WE are showing five grades of black cashmere, 46 inches wide, at 500, 650, 750, 850 and \$1 a yard, that are unequaled in value.

Hugus & Hague.

TWFSI

large sidewheel steamers. He also foretells the beam engine for large sound and river steamboats by compound and triple expansion inclined engines. The days of beam engines and Pitcairn's, 434 Wood st.

sidewheels for new steamers are unquestionably drawing to a close rapidly. Mr. Corbett also points out that yards on a steamship are not only a great nuisance, but an actual hindrance and drawback to the speed of a ship, unless it is hlowing a good stiff breeze right aft or a little on the quarter. For a twin-screw ship, yards are altogether superfluous, and should not be tolerated. The Germans knew what they were about when they should not be tolerated. The Germans knew what they were about when they rigged their new twin-screw steamship, Augusta Victoria, with three light military masts, which are little larger than flagstaffs. The White Star line petitioned the English Board of Trade to allow them to build a mastless twin-screw steamer, but that was too great an innovation all at once, and the Majestic will therefore have three "flagstaffs." But before another decade shall have passed away we shall see a fleet of American steamships without masts crossing the Atlantic. This can be accomplished by twin-screws and rolling chambers similar by twin-screws and rolling chambers similar to those now in use on the City of Paris, and an increased speed of at least one knot an hour will be the result of the new depart-

Search Light Projector.

A very valuable electric appliance, which ias come into extensive use, is the search light projector. The are light for this purpose is of very much greater candle power than the ordinary are lights, which are nominally of 2,000 candle power, and work with a current of 10 amperes. The search lights for projectors often take from 70 to 150 amperes of current, giving a light of up to 30,000 candie power. The projector is largely used on board ship. The electric carbons are regulated by a hand feed, and the movement of the lantern is effected in two ways: by hand for rough adjustment, in which case the lower handle which operates the lock-nut is loosened and the whole lantern then moves by hand; and for finer adjustment the lock-nut is tightened, and the worm gearing serves to effect any desired degree of elevation or depression. A feature of these projectors is the flashing arrangement for sending signals. The upper handle, which operates two sheets of blackened sheet metal, closes them together with the one motion to allow the full beam to pass, and opens them with the reverse motion to lights for projectors often take from 70 to 150 and opens them with the reverse motion to cut off the light. By this means long or on the light. By this means long or short flashes can be used to signal in the Morse code. These projectors are also much used for navigating difficult passages at night, especially in the Suez Canal, where a special apparatus is arranged at the stem of the boats with a lockout man to discern the

Celluloid for Mathematical Scales.

Surprise is expressed by a photographic otemporary, that celluloid is not emoloyed for the production of mathematical cales. Really good engineer's or other scales in ivory are rather expensive, yet with celluloid when once an accurate negative was taken, a series of transparencies tive was taken, a series of transparencies could be produced at a very low cost, capable of being attached to ivory, ebony, boxwood, etc., as the case might be, and the production of an intricate and elaborate scale would in practice be no more difficult than a simple open divided scale with the usual eighths, quarters, etc. For calculating scales, slide-rules, etc., it would be equally applicable, and, seeing that the original scale might be made on paper of large size, there is no limit to the accuracy and variety of matter that might be included. and variety of matter that might be included. As to enactitude the finest details would rival those done by the most accurate dividing machine every contrived.

#### Advance in Dentistry

It is stated that a process of filling teeth with porcelain has been invented by Dr. Land, of Detroit, Mich. His process is said to consist in making of porcelain a section corresponding to, and an exact coun-terpart of, that portion of the tooth which is to be restored, and attaching to it the de-fective tooth, thus restoring its original ap-pearance in form and color with an in-destructible material. It is also said that destructible material. It is also said that this can be done so accurately that it is almost impossible to see where nature ends and art begins in the restoration. If the invention will do what is claimed for it, it is certainly a most wonderful advance in

Danger of Chloroform in Gas Light A German physician records an experience which shows the danger of performng operations that require anæsthesia by ras light. It appears that the fumes of chloroform mingling with those of the gas, form a compound that tends to produce asphyxia in those under the influence of the drug. He records one death from that cause, and in another case the experience was very peculiar while under the influence of the anæsthetic the patient's respiration was unaffected, and it was only after he regained consciousness that the symptoms of asphyxia set in; these were promptly re-moved by the free ventilation of the room.

M. G. COHEN, diamond expert and jewels er, formerly corner Fitth avenue and Mar-ket st., takes pleasure in notifying his friends and the public that he has located friends and the public that he has located at 533 Smithfield st. with an entire new stock of diamonds, watches, jewelry, clocks, silverware, bronzes, etc., all the latest novelties. My stock is large and complete, and prices lower than ever offered. Call and see my stock and prices. M. G. COHEN, 533 Smithfield st.

### Your Last Chance.

This is positively the last excursion to the sea shore at rate of \$10 for the round trip, ets are also good on the 4:30, 7:15 and 8:10 P. M. trains. No more delightful time could be selected for visiting the sea shore, and the advantages offered by the Pennsylvania Railroad are of visiting five of the finest locations on the Jersey coast: Atlantic City, Cape May, Sea Isle City or Ocean City, at the exceedingly low rate and a limit of ten

days.
The view of the Conemaugh Valley and delightful ride over the Allegheny Mountains, more than pays the expense of the

trip.

Seats in the parlor car on special train and berths in the sleeping cars, can be secured now at the office, 110 Fifth avenue.

#### ALLEGHENY VALLEY R. R. Thursday, August 20,

To Thousand Islands, Alexandria Bay Toronto, Canada, and return, \$8.

Niagara Falls and return, \$7. Lake Chautauqua and return, \$5.

Lake Chautauqua and return, \$5.

Tickets good for 15 days returning.

Passengers for Thousand Islands, Alexandria Bay and Toronto can stop at Niagara
Falls and Lake Chautauqua on the return

Train of Eastlake coaches, Pullman parlor buffet cars, leaves Union station at 8:45 A. M., Eastern standard time.

In producing and putting upon the mar-ket an article destined for general con-sumption, the aim should be to offer the very purest and best. Such a course has been followed by the Bauerlein Brewing Co. A trial will convince you. Brewery, Bennett, Pa. Telephone 1018.

This product of Frauenheim & Vilsack's brewery merits and has attained as high a place as can be reached by the best grade of beer. This fact is attested by its popularity. Gall for it at any first-rate bar, or order direct. Telephone 1186.

FLANNELS-Elegant new designs in fine French flannels for wrappers, tea gowns, etc., opened this week.

HUGUS & HACKE

UNWELCOMEVISITORS

The Discovery of Trichinæ in Pork and the Human System.

(WRITTEN FOR THE DISPATCH.

anatomist, discovered in human muscle

taken from the dissecting room a fine, hair-

coiled up in a more or

trichina spiralis.

Some years later Prof.

Leidy, of Philadel-

phis, another cele-brated anatomist,

found the same para-

site in the hog. No

connection between

the presence of the

parasite in the lower

animal and in man

This shows that about 30 per cent of all forms of pork on the market contains trichinm, not invariably in necessarily dangerous numbers, but still always sufficiently numerous, where present, to cause serious tranhle.

VERY RAPID MULTIPLICATION.

Now the question will be asked: If tri-chine are present so frequently as this, why doesn't everyone have trichinosis? Well, there are two chief reasons. First, proper cooking always kills the parasite, so that unless the infested meat is eaten The Danger of Diseases Greater Than is

Usually. Supposed. PREVENTION IS BETTER THAN CURE

RAW OR IMPERFECTLY COOKED. the disease is not produced. Second, the disease is much more common than is generally supposed. Many cases are recognized which the general public never get to hear of; and many other cases are not recognized, being mistaken for rheumatism, cholera morbus, typhoid fever, irritant poisoning and some other troubles. The intelligent physician, however, rarely if ever mistakes the disease. Some 50 years ago Owen, a famous English like parasite, always less spiral line, which he accordingly called

physician, however, rarely if ever mistakes the disease.

As to the remedy, that is simple: Cook thoroughly all ham, bacon, sausage, fresh pork, etc., that is eaten, for continued high temperature kills the trichine. Do not depend on salting, smoking or pickling to effect their death, for though effective, perhaps, to some slight degree, they cannot with any certainty harm a trichine, which is embedded in its protective shell or cyst. Further, for absolute safety, you will have to altogether forego the luscious bologna.

CHEVALIER Q. JACKSON, M. D.

### The Schoolmaster Abroad.

was demonstrated or thought of, and it was supposed to be harm-A' young "professor" of this locality ob-served the name of Beethoven on the side less in both. Some 25 years after Owen's discovery, that is in 1860, Zenker proved that the trichinæ, instead of being harmless, of a Pullman car, the other day, and asked a bystander: "What is that on there for? Is he the inventor of them cars?" This same "professor" holds a permanent and professional certificate and was recently were the cause of one of the most serious diseases that humanity is subject to. elected principal in the schools of a neigh boring town. Say nothing.

diseases that humanity is subject to.

A trichina is a minute worm-like animal, almost invisible to the naked eye. It is about one-thirtieth of an inch in length, has a distinct head, mouth, intestinal canal and other organs. An enormously enlarged view of the animal is given in one of the cuts the other cut representing the triching Poor, Foolish Men. cuts, the other cut representing the trichina as it exists in its cyst, or nest, in the muscular tissue.

It is now generally accepted the world over that the trichine always find their way of infested into the human system by way of infested pork in the form of ham, sausage, fresh pork, bacon, etc. The little parasite is coiled up in a sort of shell in the muscle of a certain proportion of hogs. In them it produces no disturbance. The little animal may lay there quiescent for a long period, but when the hog is killed and eaten and the parasites gain entrance into the human stomach, then they begin to take on

GREAT ACTIVITY and set about to kill their new host. After being swallowed, the surrounding shell of the trichine is dissolved off by the gastric juices and the animals set free. For about two days they grow until they are double their original size, then they begin to multiply. A single female remains in the human bowel for about a month, and, if things are favorable, may give birth to 2,000 young during that time. The parent trichine remain in the intestine till their lifetime of three weeks is ended, when they die and pass out of the bowels as any other matter. Not so, however, with their progeny. The young trichine start to migrate across the country instead of following the beaten highway. They bore their way through the wall of the bowel, through the fat, through anything that comes in their way, till they reach the muscles. Many, perhaps most, of the migrating parasites, by boring through the wall of one of the larger blood vessels, reach the blood current and are washed along until they reach the muscular tissues, and set about to kill their new host. After This is only the second time in eight weeks that I have had to polish my boots, and yet I had hard work getting my hashand to give up his old blacking brush, and the annoyance of having the paste blacking rub off on his pants, and adopt A magnificent Deep Black Polish, which lasts on Men's boots a week, and on Woman's a month. WOLFF & RANDOLPH, PHILADELPHIA. along until they reach the muscular tissues, where they stop. The average trichina is somewhat of an aristocrat, and is particular about where he takes up his residence. He



does not care what may be the color or social standing of his host, but he will only take up his quarters in the muscular tissues. He does not want any liver or kidney in his; it is muscie or nothing. The heart muscle is a choice site with him, as are also the museles of the eye and those of the chest which carry on respiration.

After boring round for a considerable time

in the muscular tissue, the little animal finds a place which suits his fancy and there he lodges. His presence excites an inflam-mation, which results in the formation of a shell, technically called a cyst, which in-closes him on all sides.

closes him on all sides.

These cysts, by contraction, finally kill the inclosed parasite, though unfortunately while doing so the disturbance created generally kills the luckless person whose muscles the trichinæ have invaded. This eysting process commences about three weeks after the infested meat has been swallowed, and it is on the ability of the flicted individual to live till the p completed that his only chance of recovery AN INTERESTING PROCESS.

### It is during the encysting process that all

the symptoms of trichinosis, as the disease is called, are at their fullest intensity. This is positively the last excursion to the sea shore at rate of \$10 for the round trip, which will leave the city at 8:50 A. M. on Thursday, August 22. A special train of Pullman parlor cars and handsome day coaches has been arranged for. These tickets are also good on the 4:30, 7:15 and 8:10 however, is invisible without the aid of a private of the course of time, if the course of time, if the course of time, if the host lives, lime salts are deposited in and around the trichine, making a chalky concretion, which, if the muscle be examined after death, is often visible to the naked eye as a minute white speck. The trichina itself, however, is invisible without the aid of a private of time, if the host lives, lime salts are deposited in and around the trichine, making a chalky concretion, which, if the muscle be examined after death, is often visible to the naked eye as a minute white speck. The trichina itself, however, is invisible without the aid of a private of time, if the host lives, lime salts are deposited in and around the trichine, making a chalky concretion, which, if the muscle be examined after death, is often visible to the naked eye as a minute white speck.

The parasites do not generate in the muscles and only one generation is the result of one infection. That is, each female swallowed gives birth to a certain number of progeny, and then she, herself, dies and the progeny do not multiply. Thus it is seen that the number of trichine developed will, unlike disease germs, be directly in proportion to the number swallowed. Thus the number of trichine which invades the muscles in any given case, may yary from a few cles in any given case, may vary from a few hundreds to many millions. Now it is hundreds to many millions. Now it is just on these numbers that the severity of the disease depends. A few hundreds in the muscles may give rise to what may be, and frequently is considered as a muscular rheumatism. From this all grades of the disease are encountered up to a degree of severity when the little animals are present in such enormous numbers as to excite such an inflammation in every muscle in the patient's fiammation in every muscle in the patient's system as to render the entire body as stiff as a board; not a muscle is capable of volun-

as a board; not a muscle is capable of volun-tary movement, and finally the heart and respiratory muscles are so stiffened that they are unable to work, and then death, of course, is the result.

In many cases death results from exhaus-tion, owing to the inability of the patient to swallow on account of the stiffness of the in-yaded swallowing muscles. In some cases the infected meat swallowed sets up a kind the infected meat swallowed sets up a kind of cholera morbus which, though severe, is apt to be tortunate for the patient, as these cases rarely have severe muscular troubles, because there is, in them, usually little migration.

With a view of ascertaining to what extent the various forms of hog meat en the market are infected with triching the writer market are infected with triching the writer has, during the past three years, examined 300 samples of ham, bacon, sausage, fresh pork and pigs' feet, all taken from the market in the cities of New York, Philadelphia, Chicago, St. Louis, Milwankee, Gincinnati and Pittsburg. Of these cities, one was found to be about as well off as another in regard to the number of triching found, as there was singularly little variation in this respect. The average of all samples from all the above named cities gives the following table showing the average number found in each showing the average number found in each

Total in 300 samples.....

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