

SERIAL STORY

THE LOVES of the LADY ARABELLA

By MOLLY ELLIOT SEAWELL

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SYNOPSIS.

At 14 years of age Admiral Sir Peter Hawkshaw's nephew, Richard Glyn...

CHAPTER V.—Continued.

My infatuation for Lady Arabella continued; but I can not say she ever showed me the least mark of favor.

This only brought a sardonic grin to his countenance. He advanced, and was civilly, though not cordially, received by her grace.

"Good evening, Sir Thomas. You look very ill. Is your health as desperate as I heard it was two years ago?"

"I know how it will be, Dicky," he growled. "You will sit like a great gaby, with your mouth open, imagining the tavern parlor to be the cockpit of the Ajax."

It Was Lady Arabella's Satin Petticoat.

humble servant. The ladies were mostly old—Lady Arabella was the youngest of them all—but all very great in rank.

I had wanted to see London ladies play—and I saw them. Jack, with his greasy cards, in the forecastle, laying his month's wages, was a child to them.

No one among them played so eagerly as Lady Arabella; and very badly, as usual, so that she managed to lose all her money.

"I have on a new white satin petticoat, with lace that cost three guineas the yard. It is very fit for waisteats. No gentleman will be so ungalant as to refuse my petticoat as a stake."

Of course, they all applauded; and Lady Arabella, retiring behind a screen, emerged with her satiny petticoat—how it shone and shimmered!

There was much laughter, but Giles, gravely folding it up, laid it aside; and when we departed, in the gray light of dawn, he carried it off under his arm.

As for me, I had lost all the money I had with me, and had given my I. O. U. for £300.

Next day Lady Arabella was dropped in Berkeley Square by her grace of Anchester. It was in the afternoon, and I was sitting in the Chinese room with Lady Hawkshaw and Daphne when Lady Arabella appeared.

"Well, Dicky," she said—a very offensive mode of addressing me—"how do you stand your losses at play?"

He was a man of middle size, and was between 40 and 50 years of age. He might once have been handsome; but the ravages of an evil nature and a broken constitution were plainly visible in his countenance.

Loose." Behind them marched, with the deepest gravity, a couple of marines, bearing aloft on their muskets a glittering shimmering thing that fluttered white in the air.

Neither Giles nor I had by any means forgotten our appointment to meet Capt. Overton on the field of honor; and as the time approached for the meeting, Giles sent a very civil note to Overton, asking him to name a gentleman who would see me to arrange the preliminaries, for I would never have forgiven Giles had he chosen any one else.

"I know how it will be, Dicky," he growled. "You will sit like a great gaby, with your mouth open, imagining the tavern parlor to be the cockpit of the Ajax."

"But for him I should have been first on the Indomitable's deck." To all this I made but a feeble protest; and finally it was arranged that the meeting should take place at a spot very near Richmond, at eight o'clock, on the morning of June 29.

When the date was set, and the arrangements made, I began to feel very much frightened. Not so Giles. There was to be a great ball at Almack's on the night of the 28th and Giles announced that he was going. It was a very special occasion for him, because the Trenchard, whom he still called the divine Sylvia, and professed to admire as much as ever, was to go that night.

She had long been consumed with a desire to go to Almack's, but up to that time no actress had ever yet enjoyed the privilege. It seemed grotesque enough that a young midshipman, of no more consequence than Giles Vernon, should succeed in carrying this through. But such was actually the case; and Giles accomplished it by that singular power he possessed, by which no woman could say him nay.

Rubber is in such demand for modern uses that not only are new plants supplying it being sought, but eager efforts are being made to produce substitutes. Artificial indigo and artificial camphor are among the great successes of modern chemistry, and artificial rubber seems to be near at hand.

Remarkable Headgear Responsible for Spoiling Performance. A story has reached this country of a hat which spoiled an afternoon performance at a small French playhouse. It appears that in the absence of an orchestra a lady presided over the piano. She was neither young, pretty nor talented, and not wishing to pass unnoticed conceived the idea of wearing a hat that would attract the attention of the audience.

In this she was successful. The hat looked like a good-sized umbrella covered with flowers, ribbons and birds. As the lady took her seat the surprise it caused hushed the audience into silence; when, however, the pianist struck the first notes and the flowers, ribbons and birds began a mad dance, the storm broke loose and the laughter at last grew so terrific that the curtain was lowered to give the spectators an opportunity of regaining their composure.

THE ELECTRICAL WORLD

A STIR AMONG THE PLANETS

Shifting Sure to Occur, Says Frederick Campbell, Sc. D., Suggests General Plan Among Them.

During the month of April there occurred such a shifting of the planets as suggests some general plan among them. On the 3d at six o'clock in the morning the planet Saturn, that marvel of the sky, adorned with its gorgeous rings of light and attended with ten satellites, made the shift from the east to the west of the sun, whereby it changed from the evening to the morning star.

On the 9th, at 11 a. m., Venus, brightest of all the stars, and nearest neighbor to ourselves, met Saturn on the west of the sun, Venus hastening to pass the sun eastward. On the 13th at four p. m., little Mercury, the fleet-footed, came eastward, rushing after Venus, and passing Saturn on the way. On the 18th the moon came along still more swiftly and, at 11 p. m., passed Saturn and left him to the west.

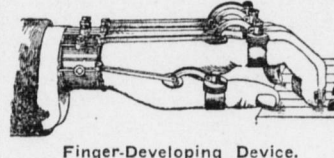
On the 19th, at about 5:30 p. m., the moon overtook Mercury, and 15 minutes later overtook Venus. At ten the same evening Mercury overtook Venus and rushed on for the sun. But the moon already had gained the lead and, at 11:43 p. m., reached and passed the sun, and thus became new moon.

Not till the 21st, at six p. m., did Mercury accomplish the same feat and transfer its position from the morning to the evening sky. On the 23rd at noon, along came Venus and did the same thing, and the entire movement was over. The result of all was Saturn had removed from the evening to the morning sky, and that the moon, Mercury and Venus exchanged the morning for the evening sky, where they were soon discovered in the order named.

FINGER DEVELOPING DEVICE.

Contrivance Invented to Develop Muscles of All Fingers in Playing the Piano.

A recent invention provides a device which may be applied to the hands of a piano player to develop the muscles of the fingers individually, so that the fingers may be able to strike the notes with a uniform blow. The device consists of a wrist band which supports a series of rods, provided at their opposite ends with pads adapted to rest on the knuckles. Hinged to each one



Finger-Developing Device.

of these rods is a short arm connected at its outer end to a stem projecting from a ring slipped over the finger. A series of weights in the form of washers are adapted to be slipped over the stem, thereby permitting the operator to adjust the weight on each particular finger. Thus if one of his fingers is weaker than the rest, it is fitted with a heavier weight so that in time the muscles will be developed to such an extent as to make it as strong as the rest of the fingers.—Scientific American.

Seek Substitutes for Rubber.

Rubber is in such demand for modern uses that not only are new plants supplying it being sought, but eager efforts are being made to produce substitutes. Artificial indigo and artificial camphor are among the great successes of modern chemistry, and artificial rubber seems to be near at hand.

Non-Polarizing Battery.

Bichromate batteries are very expensive to maintain and dry cells do not furnish enough amperage for some kinds of experimental work. A cell of battery that will run ten hours with an output of over one ampere can be made as follows: Secure a jar about four inches in diameter and eight inches high and place in the bottom of this jar the lower half of a tin baking powder can, to which a wire has been soldered for connections. Place in the can a mixture of two ounces black oxide of copper, one ounce black oxide of manganese and some iron filings.

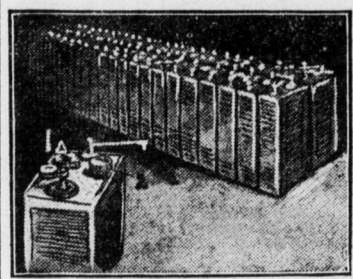
Purchase a small crowfoot zinc and hang it about one inch above the half can. Prepare a ten per cent. solution of caustic soda and fill the jar within one inch of the top. Place on top of the solution a thin layer of kerosene or paraffin. The cell will only cost about 50 cents to make and 25 cents for each renewal. When renewing, always remove the oil with a siphon.—Popular Mechanics.

EDISON'S PROMISED BATTERY

Practically Indestructible Device Will Travel Long Distance Before Worn Out.

Announcement is made of another epoch-making discovery by the great wizard, Thomas Alva Edison. This time it takes the shape of a practically indestructible battery, which, it is claimed, will travel 100,000 miles before it is worn out, and which for the trifling sum of \$200 will provide the purchaser with motive power that will need no renewal for 15 years.

"I never could believe," remarked the great inventor, "that Nature, so prolific of resources, could provide only lead as a material ingredient of the battery. I have always found her ready for any emergency, and based



New Storage Battery.

on this confidence, which she has never betrayed, I communed diligently with her." After experimenting with numerous other substances, Mr. Edison hit at length upon cobalt as a substitute for lead. But, cobalt being one of the rare metals, the problem was not yet solved. So he scoured the country to find this metal in sufficient quantities to warrant its use, and discovered an abundance of it in Canada, Wisconsin, Oregon and Kentucky.

ELECTRICITY ON OCEAN LINER

Over Two Hundred Miles of Wire and Cables Are Strung Throughout the Mauretania.

Although much has from time to time been written about the Mauretania comparatively few can grasp the significant part which electricity plays in the ship.

Apart from the 70,000 horse-power of the turbines which propel the ship through the water, the electrical power, which is supplied by four generators, represents an additional 2,144 horse-power.

Electricity is used not only for illuminating the ship at night, but for a multitude of other purposes, such as operating the lifts, of which there are two for passengers' use, eight for baggage and mails and two smaller ones in the pantries. Electrically driven cranes and winches are also provided, and 6,300 electric lamps give the enormous total of over 100,000 candle-power. For heating the first-class quarters 60 electric radiators have been fitted, to say nothing of some 43 heaters in the bathrooms.

In the kitchens one range alone has a frontage of about 60 feet, and includes a roaster with four vertical spits rotated by an electric motor, these spits being capable of dealing with a half a ton of meat at a time. There is also a smaller roaster with three spits, driven in the same manner. In the bakery electricity is employed to operate a large dough-making machine capable of making bread for at least 3,000 persons.

Some idea of the size of this vessel may be obtained when it is mentioned that over 200 miles of wire and cables are fitted throughout the ship.

The electric bell and telephone installation on the Mauretania surpasses anything hitherto attempted in connection with ship work. Bell pushes are placed over every bed, and altogether 1,208 bell pushes have been fitted in the various cabins, etc., while telephones, of which there are upward of 100, are to be found in numerous parts of the ship.

Apart from the Marconi wireless telegraph outfit, means have been provided for coupling the ship up to the city telephone exchanges when lying alongside the landing stages at Liverpool or New York.

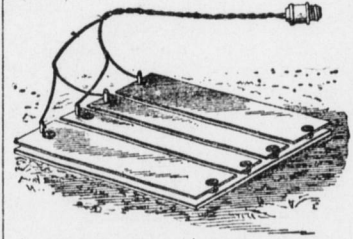
Four electric searchlights are carried and in addition to the usual complement of life buoys which every ship carries, two special buoys have been provided for use at night. These, upon being released by pressing a button, automatically light a flare upon striking the water.

The electric installation of this vessel represents about \$325,000.

DEMAGNETIZING A WATCH.

How You Can Make the Instrument for Yourself.

A test can be made to know if your watch is magnetized by placing a



Ship's Electrical Equipment.

small compass on the side of the watch nearest the escapement wheel. If the compass pointer moves with the escapement wheel the watch is magnetized. A magnetized watch must be demagnetized. It is estimated that the cost of the electrical equipment on the vessels of the United States Dreadnaught type will be close to \$600,000 each.

ANOTHER WOMAN CURED

By Lydia E. Pinkham's Vegetable Compound

Gardiner, Maine.—"I have been a great sufferer from organic troubles and a severe female weakness. The doctor said I would have to go to the hospital for an operation, but I could not bear to think of it. I decided to try Lydia E. Pinkham's Vegetable Compound and Sanative Wash—and was entirely cured after three months' use of them."—Mrs. S. A. WILLIAMS, R. F. D. No. 14, Box 39, Gardiner, Me.

No woman should submit to a surgical operation, which may mean death, until she has given Lydia E. Pinkham's Vegetable Compound, made exclusively from roots and herbs, a fair trial.

This famous medicine for women has for thirty years proved to be the most valuable tonic and renewer of the female organism. Women residing in almost every city and town in the United States bear willing testimony to the wonderful virtue of Lydia E. Pinkham's Vegetable Compound. It cures female ills, and creates radiant, buoyant female health. If you are ill, for your own sake as well as those you love, give it a trial.

Mrs. Pinkham, at Lynn, Mass., invites all sick women to write her for advice. Her advice is free, and always helpful.

SICK HEADACHE

Positively cured by these Little Pills. They also relieve Distress from Dyspepsia, Indigestion and Too-Hasty Eating. A perfect remedy for Dizziness, Nausea, Drowsiness, Bad Taste in the Mouth, Coated Tongue, Pain in the Side, TORPID LIVER. They regulate the Bowels. PURELY VEGETABLE.

SMALL PILL, SMALL DOSE, SMALL PRICE.

Western Canada the Pennant Winner

"The Last Best West"

160 ACRES FREE FARM IN WESTERN CANADA

The government of Canada now gives to every actual settler 160 acres of wheat-growing land free and an additional 160 acres at \$3.00 an acre. The 300,000 contented American settlers making their homes in Western Canada is the best evidence of the superiority of that country. They are becoming rich, growing from 25 to 50 bushels wheat to the acre; 60 to 110 bushels oats and 45 to 60 bushels barley, besides having splendid herds of cattle raised on the prairie grass. Dairying is an important industry.

Tomorrow A. M. too late. Take a CASCARET at bed time; get up in the morning feeling fine and dandy. No need for sickness from over-eating and drinking. They surely work while you sleep and help nature help you. Millions take them and keep well.

CASCARETS are a box for a week's treatment, all druggists. Biggest seller in the world. Millions boxes a month.

Shave in 5 Minutes NO STROPPING NO HONING

Dr. McIntosh's celebrated Natural Urine Supporter gives immediate relief. Sold by all surgical instrument dealers and leading druggists in United States and Canada.