



CHAPTER VI.—(Continued.)

Perhaps Susie thinks so, too, but she returns to the old lady's presence with a serene countenance, and meekly resumes her occupation of sewing; and a very few weeks afterward an event occurs that leaves no room in her heart for anything but kindness for the protectress of her infancy.

"What! can I do then, Mr. Woolger?" she says, in a piteous appeal to the lawyer.

"Bless your child!" cries Woolger. "Do you imagine your uncle is going to turn you out of the house, to pick up a living as best you may?"

"No! no! no!" interposes Mr. Prescott. "You mustn't think so badly of me as all that, little 'un. But you haven't forgotten your father, surely? He's alive and well to do, and the proper person to take care of you; and he'll be here to-morrow or next day."

"All the pent-up desire and want of Susie's life seem to find vent at that moment. She rushes up to the lawyer, and falling down on her knees by his side, buries her face in his hands, and bursting into a flood of tears, there sobb without restraint for fully ten minutes whilst Mr. Woolger, who has daughters of his own, pats her bowed head kindly with his hand. But when, exhausted by her unusual emotion, Susie lifts up her face again, it is dimpled with soft, watery smiles.

"My father!" she exclaims ecstatically, with raised eyes, "my father coming to take me home! You are sure you are not mistaken?" she continues earnestly to her uncle; "you have not deceived me? You are sure that he will come?"

"Well, I'm as sure as I can be of anything in this world," replies Mr. Prescott, "for I wrote him word of what was 'up yesterday, and this morning I got a telegram in answer from him to say he'd be in Malisbury to-morrow or next day."

"Oh, sir, I am so much obliged to you. I am so glad the house and everything are yours; I would rather go back to my father than be the richest girl in all the world."

"Well! And what's the matter with it?" demands Deborah, sharply. "Doesn't it leave the lease of the house and the furniture and money to Miss Susie here, as my mistress said it did?"

"Certainly! Miss Susie is left sole legatee of all her aunt's property; but, unfortunately, the will is not witnessed. Your late mistress has, by this unfortunate omission, died intestate, and all she leaves behind her goes to her next of kin."

"Oh! well, there ain't no next of kin, except Miss Susie herself, so that's all right," says Deborah, confidently; "Miss Prescott hadn't a living soul belonging to her except this child—she has said the same thing in my hearing scores of times."

must tell you he has a prior claim to your late aunt's possessions."

Susie colors and is silent. She is not greedy of gain, poor child, but she is quite practical enough to know that if she loses the provision her aunt made for her, there is nothing left for her support. All she realizes is that she is left in the wide world friendless and alone. Her mouth quivers, and her eyes fill with tears.

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position. A manager's only daughter is so formidable a rival to cope with.

"I tell you I don't know anything about her, for I've never seen her since she was a baby. Nothing can be decided until we meet. But I may depend on her having a bedroom in this house?"

"Certainly, Mr. Gresham! I will speak to the landlady about it at once."

The following day he sleights from the train at Malisbury, and walks slowly through the sober old town. It is strange that Gresham, in contemplating the coming interview with his daughter, has never once pictured her to himself as Bessie Bouvier's child. Susie seems to have belonged so entirely to Miss Prescott—her rightful name even having been wrested from her—that her father can only think of her as of some stranger, inconveniently cast upon his protection by the unpardonable carelessness of the woman who had promised to provide for her. His heart does not give one extra throb as he enters the shaded little parlor in Lucas Court, and tells Deborah to inform Miss Gresham that he is there.

He is pacing about the room in a restless, uneasy manner, when a light foot-step on the threshold makes him turn his head quickly toward the door. There—standing just betwixt the dim light and the shade—with a look of timid expectation in her fawn-like hazel eyes, and a roseleaf blush upon her delicate cheeks—Gresham encounters the living image of his lost and dearly-loved daughter.

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could your dear mother, who was one of the purest and best women that ever breathed, was an actress."

"My mother an actress?" exclaims Susie, flushing with surprise. "Oh! father, is it possible? And may I be an actress, too?"

"We must see if you have the capacity first, my dear. And perhaps when you know more about the profession, you'll think it wrong as your aunt did."

"How could I think anything wrong that my mother did?" says the girl, in a reverent voice. "My sweet, dear mother, who died so much too soon for both of us. Oh, father! only let me try and be every thing my mother was, and you will make me so happy."

And then ensues a long confidential conversation, the result of which is that by the time Mr. Robert Prescott returns to his house, it is fully decided that Susie is to travel with her father to Leicester the following morning.

The change from the gloomy, monotonous past has been so sudden, so unexpected, she can hardly believe it is true. As she sits opposite her father in the railway carriage the following morning on their road to Leicester, she cannot take her eyes off him. It seems so incredible that he and she should be sitting there together.

As they approach Leicester, Gresham informs his daughter of the arrangements he has made for her accommodation, and when she meets Miss De Vere and Miss Montessor she thinks them delightful. Louie runs down to the very door to welcome her with a sounding kiss, and Geraldine is waiting to receive her in the sitting room, with the table ready laid for dinner. So Gresham leaves her to the care of her new friends, more than ever convinced that he has done the very best thing he could for her comfort and well-being.

"The Size of Watches." "A watch factory is a wonderfully interesting place to visit," says the dealer in timepieces. "Many of the machines seem almost human. They turn out the most delicate work, and yet they can be managed by a girl of 14. You could almost say that you put in the raw material at one end and the finished watch came out at the other—that is, the works."

"A watch case and the movements are two different things. A wholesale dealer never keeps them together. The cases are in one set of compartments, the works in another. The retail dealer buys a lot of each and combines them to suit himself or his customers. The manufacturers of the works send blocks, or actually a set of works, minus wheels, to the case manufacturers, and they make their cases to fit. That was the reason the Swiss watches went out of the market. They were not made in regular sizes—each case had to be made to fit an individual set of works, and it was too expensive. It is not always easy to fit a watch several years old with new works, for the standards change every few years. Since I have been down town—sixteen years—there has been a great change in the size of watches. They have been gradually growing smaller. Why, at one time we put six ounces of silver into a man's watch."

"The Potato." The potato originally came from South America where it grows wild. From Peru it was taken to Spain, passing thence into Italy as early as 1514. In 1588 a professor of the University of Leyden received two tubercules from the Papal Legate, which he cultivated; and, afterwards writing a history of rare plants, described the potato as being much cultivated in Italy as food for pigs. Admiral Drake introduced the vegetable directly into England from Virginia, after having first introduced it into the English colony from South America; but it was only when Sir Walter Raleigh brought it over a second time in 1623 that it began to be grown in the British Isles. In 1592 the innocent vegetable was made the subject of a special law by the parliament of Besancon, its use and cultivation being forbidden as a "pernicious substance," and as being conducive to leprosy. It is very interesting to note the dates after which its growth became general. In Lancashire after 1654, in Saxony after 1717, in Scotland after 1728, in Prussia after 1738, and after the great famine of 1771 throughout the whole of Germany.

"Floating Metals." If a small rod of iron—a straight piece of wire, for instance—be greased, it can be made to float on water. The grease apparently prevents the breaking of the surface of the water, and the iron lies cradled in a slight depression, or trough. Recently Dr. A. M. Mayer, experimenting with rods and rings of iron, tin, copper, brass, platinum, aluminum, German silver, etc., found that all metals, even the densest, will float on water when their surfaces are chemically clean. A perfectly clean piece of copper or platinum wire, for instance, forms a trough for itself on the surface of water just as if it were greased. The same is true of a small rod of glass. Doctor Mayer believes the floating is due to a film of air condensed on the surface of the glass or metal, because if the rod be heated to redness, and as soon as it cools be placed on water, it will sink; but if it be exposed to the air for a short time it will float.

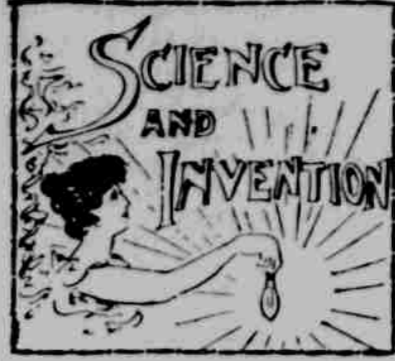
"How Gold Penetrates Lead." Very wonderful are the experiments of Prof. Roberts-Austen on the "diffusion of solid metals." The professor has proved, for instance, that gold, without being melted, will diffuse its atoms through a mass of solid lead. Of course the amount of the diffusion is slight, but it is easily measurable. In some of the experiments cylinders of lead about two and three-quarters inches in length, with gold placed at the bottom, were kept at a high temperature—but not high enough to melt either of the metals—for various periods of time. In these days enough gold had passed upward through the solid lead to be detected at the top of the cylinders! Gold and lead kept pressed together for four days, without being heated above ordinary temperatures, were strongly united. Solid gold also diffuses in solid silver and solid copper. These facts are regarded as furnishing confirmation of the view long held by Prof. Graham that "the three conditions of matter, solid, liquid and gaseous, probably always exist in every liquid or solid substance, but that one predominates over the others."

"The Habits of Russia's Czar." The most important personage in Europe to-day is the young Czar of Russia. The nihilists believe they have frightened him already out of his mind, and are rejoicing thereat, claiming that he suffers from loss of memory. It is said Prof. Mandel, the famous Berlin

alienist, was sent for some time ago to see him, and that great secrecy attended his movements. However, he is now at the royal house party at Ballmoral, having come there from Denmark. An observer at Copenhagen thus describes his habits and manners: "The emperor has not been here long, but it is already easy for us to see that his habits are totally different from those of his father, Alexander III. loved hunting, riding and walking. His successor scarcely ever walks or hunts or rides. In fact, he eschews almost entirely everything—demanding physical exertion. Of meagre height, and delicate constitution, Nicholas II. will never be chief of an army or master of any sport. He delights to shut himself up in his study to read, to write, to think over state affairs, and to attend promptly to matters brought him by the daily couriers from St. Petersburg. After dinner he smokes a few cigarettes, and then generally plays billiards for an hour. At 11 o'clock he retires for the night, and sleeps as peacefully as a child until 8 or 8:30 a. m."

"What Anonies They Suffer 'Wasting' Themselves to Reduce Weight." A prominent physician, in a discussion of the superiority of the new method of reducing the weight of jockeys by means of coverings electrically heated, says that probably no one undergoes such labor on such low diet as the jockey who is "wasting" himself so as to scale with another lucky fellow whose nature runs less to fat. In the hottest weather he piles on clothes and takes sharp walks. He labors hard, and the more he sweats the more he feels he has done his duty. Then comes the mizzle. After the labor there is appetite; after the sweating there is thirst—a raging thirst—but the food must be strictly limited, and the drink must be of the smallest, or all the labor would be for naught. The privation is horrible. Training for condition is bad enough, and has made many a good fellow throw athletics to the dogs; but training for weight is a far greater infliction. So many pounds have got to be got off, and there are only so many days or weeks in which to do it. It is done by physic, by sweating, by hard labor, and by starvation. A successful jockey is envied by thousands; but on the other hand it must be remembered that there are few occupations which demand so much of self-denial, and entail such painful discipline as that of the jockey. The ordeal comes when he is working himself down to scale. A man in ordinary condition hardly varies in weight from day to day, and he may keep his weight almost without change for months and even years. It is not so, however, when training has brought down the weight far below its natural level. Then every cell in the body seems hungry and athirst, and a moisture is sucked up as by blotting paper. Many break down under the strain, the starvation telling on their nervous system before it affects their flesh, while others throw up the effort rather than continue the misery of starvation which is involved in keeping the scales on the right side.

"He Knew Maurice." The other day Maurice Thompson, the writer, visited Calhoun, Ga., his old boyhood home. "Who's that yander?" asked an old countryman, indicating Thompson, who was standing before a grocery store, whittling a pine box. "The tall fellow?" "Yes." "That's Thompson—Maurice Thompson." "What! The feller what use ter play croun' here?" "The very same." "You don't tell me?" "Fact, but he's the great man now—one of the most successful of Horry men." "Impossible!" "Fact, I tell you. He's a great man now." "Well," said the old man, doubtfully, "hit may be so, but hit don't look reasonable." "Not reasonable?" "No! Why"—and he drew closer and lowered his voice a little—"he used ter go fishin' with me!"—New York Tribune.



"Drinking Rain-Drops." The interesting doings and peculiarities of a young kingbird, kept a captive, are described by Mr. H. C. Bumpus in Science. The kingbird lives on insects, which it generally captures on the wing, and the young bird that Mr. Bumpus experimented with caught falling drops of water by striking at them with its beak, but could not be induced to drink from a dish after the manner of a chicken. This leads Mr. Bumpus to suggest that kingbirds may be in the habit of quenching their thirst by seizing falling drops of rain.

"A Wise Bird." The same little captive described in the preceding paragraph gave an amusing proof of the excellence of its memory and the quickness of its observation. The first time it saw a large brown ant it seized the insect and milled it in its mouth, but finding the taste disagreeable, instantly rejected the morsel. "The next day the bird was taken to the same tree, and on perceiving a second ant of the same species, eyed it closely and deliberately, and then shook its head and vigorously wiped its beak with unmistakable signs of revulsion."

"A Deep Polar Sea." Doctor Nansen, who returned last summer baffled in his attempt to reach the north pole, although he got nearer to it than anyone else has ever been, reports a fact which upsets old ideas about the Polar Sea. He found that the sea north of Siberia is shallow in its southern portion, averaging only 90 fathoms deep, but that above latitude 70 degrees, it suddenly becomes profound, the bottom falling to a depth of 1,600 to 1,900 fathoms. If this applies to the entire polar basin, then the north pole does not lie in shallow water, as many have supposed, but is situated in the midst of a deep sea—a fact which has a bearing upon the problem of how best to reach the pole.

"Microbes Leap Niagara." Professor Frankland told some very interesting things about microbes in water during a recent lecture at the Royal Institution. He said that these little organisms sent into the Niagara River from the sewers of Buffalo take the tremendous leap over the great falls, and pass through the fearful turmoil of the rapids and whirlpools beneath with little or no harm. But after they have reached the placid waters of Lake Ontario they rapidly perish, and almost entirely disappear. This and many other similar facts were adduced to show that quiet subsidence in undisturbed life is far more fatal to bacterial life than the most violent agitation in contact with atmospheric air. Hence Professor Frankland argues that the storage of water in reservoirs is an excellent method of freeing it from microbes.

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"Birds as Fog Signals." The cries of sea birds, especially sea-gulls, are very valuable as fog signals. The birds cluster on the cliffs and coast, and their cries warn boatmen that they are near the land.

Every able-bodied male in Norway has to serve in the army. The first year he serves fifty-four days, the second twenty-four, and the third year twenty-four. He gets only his board.