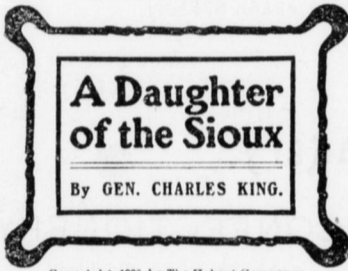




A WILD-WOOD IDYL.

Seeking wild-wood, open sky,
Elite beneath the trees am I;
Watching squirrel chattering high,
Watching wood-dove cooling sigh-



CHAPTER XIV.

Within 48 hours of the coming of Trooper Kennedy with his "rush" dispatches to Fort Frayne, the actors in our little drama had become widely separated.

of the early morning, was to turn to Dade, now commanding the post, and to say he should like, as soon as possible, to see Bill Hay.

It was not yet five o'clock, but Dr. Waller was up and devoting himself to the needs of his patients, and Dade had coffee ready for the general and his single aide-de-camp, but not a sip would the general take until he had seen the stricken troopers.

"You don't think him dangerously wounded, do you?" he asked.

"No, sir," answered Crabb, "professionally resentful that such a question should be asked of men of the cavalry."

"Send two to report to me at once, mounted. Never mind breakfast."

"Craps—I mean the Frenchman, sir, says it was after four, perhaps half past when they started, Pete drivin'."

"I knew he had thought of going, he told Maj. Webb so," said Dade, presently.

this to his subalterns—"I'll explain as far as I can."

And while Dr. Waller fell back and walked beside the aide-de-camp, gladly leaving to the post commander the burden of a trying explanation, the general, slowly pacing by the captain's side, gave ear to his story.

"Hay cleaned up quite a lot of money," began the veteran, "and had intended starting it to Cheyenne when this Indian trouble broke out."

"He asked to go, I suppose—it runs in the blood," said the general, quickly, with a keen look from his blue-gray eyes.

"I think not, sir, but you will see Webb within a few days and he will tell you all about it."



THEY SAW THE ORDERLY COMING ALMOST AT A RUN FROM THE DIRECTION OF THE GUARD HOUSE.

falling out, and instead of putting the cash in the quartermaster's safe, Field kept it at Hay's. At guard mounting Hay brought the package to the major, who opened both in the presence of the officers of the day.

"Because it transpires that some of his horses were out that very night without his consent or ken. No one for a moment, to my knowledge, has connected Field with the loss of the money."

"You'll excuse Mrs. Dade and Esther, I hope, sir. They are not up yet—quite overcome by anxiety and excitement—there's been a lot about Frayne the last two days—take this chair, general. Coffee will be served at once."

"But you suspect—whom?" asked the general, the blue-gray eyes intent on the troubled face before him.

"That is a hard question for me to answer, general," was the answer.

"I have no right to suspect anybody. We had no time to complete the investigation. There are many hang-ers-on, you know, about Hay's store, and, indeed, his house. Then his household, too, has been increased as perhaps you did not know."

The general's face was a study. The keen eyes were reading Dade as a skilled physician would interpret the symptoms of a complicated case.

"The woman can answer that better than I, sir. They say she must be 24—Mrs. Hay says 19—she is very dark and very handsome at times. Most of our young men seem to think so, at least. She certainly rides and dances admirably, and Mr. Field was constantly her partner."

"By themselves, sir. I doubt if any other of our equestriennes would care to ride at her pace. She rather outstrips them all. The major told me they seemed to go—well, every time he saw them, at least—up to Stabber's village, and that was something he disapproved of, though I dare say she was simply curious to see an Indian village, as an eastern girl might be."

"Possibly," said the general. "And what did you tell me—she is Mrs. Hay's niece? I don't remember his having any niece when they were at Laramie in '66, though I knew something of Mrs. Hay, who was then but a short time married. She spoke Sioux and patois French better than English in those days. What is the young lady's name?"

"The chief dropped his head on his hand and reflected. 'It's a good 20 years, and I've been knocking about all over the west since then, but I'd like to see Mrs. Hay and that young woman, Dade, whether we overhaul Bill or not. I must go to Beecher at once.'"

"You will wait for the cavalry from Laramie, will you not, sir?" asked the captain, anxiously.

"I can't. I'll get a bath and breakfast and 40 winks later; then see Mrs. Hay and Bill, if he is back. They ought to catch him before he reaches Sage Creek. There are your couriers now," he added, at the sound of spurred heels on the front piazza.

"Sleeping, too, but only fitfully. Dr. Waller is here," and then Dade would have ended the talk. He did not wish to speak further of Field or his condition. But she called again, low-toned, yet dominant, as is many a wife in and out of the army.

"After Mr. Hay. He—made an early start—not knowing perhaps, the general was coming."

"But I do!" exclaimed his better half, in emotion uncontrollable. "I do! It means that she has made him—that she has gone, too—I mean Nanette Flower!"

ALSO AMERICAN.

The Unsympathetic Blessing Given a Proud Relative by Ralph Waldo Emerson.

When young George Emerson graduated from Harvard, he was the first scholar in his class, and accordingly gave the oration. Dr. Edward Everett Hale tells in his 'Memories of a Hundred Years' with what an apparently unsympathetic blessing his cousin, Ralph Waldo Emerson, wished the young man success in life.

The chapel, writes Dr. Hale, contained 200 or 300 of his friends and the friends of his classmates. After the exercises were over, Dr. Hale crossed the chapel to speak to Ralph Waldo Emerson, who stood alone, as it happened, under the gallery.

Emerson said, "Yes, I did not know I had so fine a young cousin."

"And now," he added, "if something will fall out amiss—if he should be unpopular with his class, or if his father should fail, or if some other misfortune can befall him—all will be well."

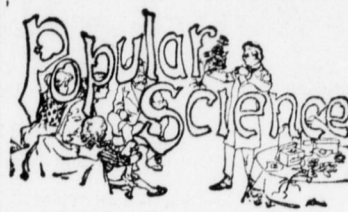
"But I learned afterward," says Dr. Hale, "what he had learned then, that 'good is a good master, but bad is a better.' And I do not doubt now that the remark which seemed cynical was most affectionate."

Mrs. Benson's clock, after having kept excellent time for several years, suddenly stopped. After trying for some time to make it go, she removed it from its shelf and sent it to a clock-repairer.

"Madam," he said, after inspecting, "is this clock kept in a damp room?"

"No," she replied, "we keep it in the driest room in the house."

"Has it ever had a fall into a tub of water, or anything of that sort?"



ABOUT PATENT LEATHER.

Patent leather has become a feature in the leather world, and its making has assumed considerable proportions hereabouts.

The patent or enamel finish is really painted and baked on, as the bicycle manufacturer paints and bakes enamel onto a frame.

The hide or skin having been stretched and dried as much as possible, is first given a coating of a mixture of linseed oil, litharge, white lead or similar materials, boiled together until they make a pasty mixture.

The final gloss is brought out by exposure to the sun. It is a peculiar fact that Old Sol brings out a better finish than can any artificial drying or baking process.

Persons disposed to call in question the easy-riding qualities of automobiles have their opinions disputed by the following from Automobilit-Welt, as translated for Popular Mechanics:

"There is the motor in the front of the machine, with its easy, elastic vibrations. The vehicle itself swings with it, but so softly that you don't notice it unless it stands still."

"The relative ease of travel in a carriage and automobile, as set forth by the writer, is shown in the accompanying diagrams, of which the upper indicates the jolting motion of the carriage and the lower the relatively smooth motion of the automobile."

Fatigue of the Muscles. A scientific investigation of muscular fatigue has been begun by M. A. M. Bloch. From questions sent to persons of many occupations he finds that it is not the most used muscles that are most subject to fatigue, but those that are kept under tension, although doing no work.

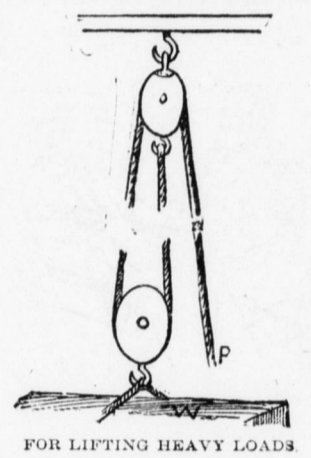
Loss by Friction. The loss by friction on the world's railways is enormous in the aggregate. Dr. Haarmann, a German, estimates that it reaches 247,000 tons of steel in a year.

BLOCK AND TACKLE.

Convenient Apparatus for Lifting Heavy Loads with Comparatively Small Power.

Familiar as many people are with a block and tackle, it is not everyone who understands the principle on which that apparatus works, or why any advantage can be derived from its use.

It may be explained, to begin with, that the chief benefit comes from a multiplication of pulleys. If only one pulley be used, there may be some increase of convenience, but nothing is gained in power.



FOR LIFTING HEAVY LOADS

Now imagine a different arrangement—that shown in the diagram. Suppose there are two pulleys, one above and one below. Let the weight (W) be attached, not to the end of the rope, but to the block containing the lower pulley.

The final gloss is brought out by exposure to the sun. It is a peculiar fact that Old Sol brings out a better finish than can any artificial drying or baking process.

For the sake of simplicity, the drawing shows only a single pair of pulleys, one in each block. It often happens that there are two or three pairs, two or three pulleys in each block, but only one rope being used.

Allowance must be made for the friction of the pulleys in their bearings in the blocks. No matter how good the construction there must be some loss of power from that cause.

The foregoing principles apply equally, whether the power applied at P be derived from a man, horse or a steam engine. The advantage comes from a multiplication of pulleys, and what is gained in one way is lost in another.

That plants have intelligence is maintained in a thesis by Prof. Shaler of Harvard university. After discussing the automata, he says: "We may accept the statement that our higher intelligence is but the illuminated summit of man's nature as true, and extend it by the observation that intelligence is normally unconscious, and appears as conscious only after infancy, in our waking hours, and not always them."

CAN PLANTS REASON?

Prof. Shaler Thinks They Have Some Intelligence and Gives Reasons for His Opinion.

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