

LITTLE JEAN.

She was wedded last night— Little Jean— In a satin gown, white, All a-shine.

THE TIGER.

By W. R. ROSE.

The grizzled old man shook his head discouragingly. "Like you well enough, Dave," he said, "but you got to talk business with me."

"You'd better not attempt it, Mr. David Craig. I'm not going to cross my grandfather—not even to help along your desperate endeavors to prove your courage."

Dave's eyes were fixed at the home of Millie and her grandfather. She was on the porch as he came up the driveway.

"Where is your grandfather?" he asked in a low tone. "He's gone out to the barn."



The Neglected Farmer's Garden.

A farmer's garden is often neglected until the last thing, and then the wives and children have the most of the work to do.

Saving Manure Fertility.

Many farmers throw the manure up into a great loose pile, where it ferments so rapidly that it becomes rancid, and those materials that go to form humus in the soil are destroyed.

other calling ever received and no other age has ever witnessed. Only the educated farmer will have a chance in the sharp competition of the future.

The Hardy Perennials.

The hardy perennials appeal strongly to the farmer's wife, as they are so easily cared for and once established will last for years.

CAUSE OF EARTHQUAKES

VIEWS OF PROFESSOR TARR, AMERICA'S SEISMIC AUTHORITY.

Shock May Recur—If San Francisco Was the Centre, She is Still in Peril—Cornell Geologist Tells His Deductions from the Pacific Coast Disaster.

Ralph Stockman Tarr, professor of dynamic geology and physical geography at Cornell, and perhaps the most noted authority in America on seismic disturbances, telegraphed to the New York Times his views on the causes of the disaster at San Francisco as follows:

Ninety-four percent of all recorded earthquake shocks occur in two narrow zones following two great circles of the earth when these zones pass through the West Indies, Mediterranean, Caucasus and Himalaya regions, and in this belt 53 percent of all recorded earthquakes have occurred.

The other, in which California lies, encircles the Pacific, following the Andes, the mountains of Western North America, the Aleutian Islands, Japan, and the East Indies.

Other regions on the earth have supplied but 6 percent of recorded earthquakes, and these for the most part were of slight intensity.

The great majority of the active volcanoes of the earth lie in these belts, and geologic evidence proves conclusively that in these zones the mountains are still rising.

Exhaustive tests by the army and navy show that by its aid field batteries can go into action at night without any previous knowledge of the range, and that it promotes the effectiveness of fire from coast artillery by the exact trajectory of the shells.

Without the data of the flight of the first shell the calculation for wind and speed of a moving target would be largely a matter of guess, and while the range can be correctly given, it is for these emergencies set, it still requires uniform accuracy of the shell for accurate work.

There are upland points along the California coast which are geologically recent subsidence of this part of the coast which has admitted the sea into the gorge that the Sacramento river cut across the Coast Ranges. This forms the Golden Gate, and in the broader mountain valley behind the sea has spread out to form the bay.

A further reason for knowing that the mountains of this region are growing is the frequency of earthquake shocks in California. Every year there are from 25 to 40 earthquakes recorded in the state, and not a few of these have been felt in San Francisco itself.

Comfort in the stables means service in the fields. Individual experience is the first requisite in a good horse.

More shoulders are the cause of many horses becoming balky. Put little blankets of flannel on the hams if the weather is very cold.

Water is as important as food and should be supplied clean and fresh. Gravel should always be supplied to fowls being fattened in confinement.

Animals that are uniform in age and size will feed and fatten more easily. Chickens should never be allowed to go on the roosts until ten or twelve weeks old.

Before the planting is finished, the manure should all be gathered up and hauled out. So far as possible, feed the chickens early in the morning and late in the evening.

When the hens are laying abundantly, lime should be kept before them at all times. It is a good plan to feed wheat as the grain food at this time as corn is too fattening.

Lime is a purifier and should be used often as a wash to coops, perches and nest boxes. Chickens are the most profitable animals on the farm, but they generally receive the least attention.

In marketing fruit, it should always be the rule to prepare it and place it upon the market in the neatest and nicest condition possible. Excess of salt is not good for fowls; when they can get to it they sometimes eat it in fatal quantities; but a little salt, as for instance, in their food, is beneficial.

The cow manufacturer's milk from the food she eats, hence the necessity of furnishing sound, wholesome food. Unsound food makes off-flavored milk and poor butter.

Irregular feeding of the dairy cow retards the natural action of the digestive and assimilative organs. One day they suffer from depletion; next day they are overfed.

If a lamb is chilled, put it in water as hot as you can bear your hands, dipping in and out until it shows signs of life. Then rub dry and wrap in a warm soft cloth.

A BALLAD OF BALLOONACY.

We have had our cycle mania, And our golden chain of mail, The balloon's a new one, And the man who's a real.

He laughs at horse and buggy, And will take no auto ride, He talks like Santos Dumont, And a gasbag is his pride.

He chats of clouds and currents, And machines that can be steered, And of how he'd had the record, If the blimped wind hadn't veered;

But some day, oh, yes, some day, Like the man who loops the loop, He will make a magnificent, And a gasbag is his hope.

He'll make a magnificent, And a gasbag is his hope, He'll make a magnificent, And a gasbag is his hope.

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LIKE A STREAM OF FIRE.

Illuminated Shells for Use in New Automatic Guns.

A new and important function has been added to the already deadly shell—visibility of its flight at night.

By means of a torch attached to the base of the shell it is possible to watch it throughout the entire course and to see clearly the exact point at which it strikes.

With the automatic guns now fast coming into general use and firing one-pound shells at a rate of four shots a second, a practically continuous stream of fire is thrown from a gun, without using the sights of the gun, and without knowing the range.

Much of practical value was learned from the Japanese-Russian war. In repelling the attacks of torpedo boats it is easy to imagine how difficult is the work of the gunner when the searchlight of the battleship suddenly picks up a moving torpedo boat.

where but a moment before the sea was blank. There is no time to find the range or elevate the sights. The swiftly-moving destroyer must be hit, and hit hard, before it reaches the 800-yard mark, where it will discharge its first 18-inch Whitehead.

The time allowed to a gunner in which to strike some vital part is a little over one minute, and his responsibilities are great. The suddenness with which he is called into action makes the work difficult. It is for these emergencies when accuracy and extreme rapidity of fire are demanded that the illuminated shell is expected to be most effective.

Exhaustive tests by the army and navy show that by its aid field batteries can go into action at night without any previous knowledge of the range, and that it promotes the effectiveness of fire from coast artillery by the exact trajectory of the shells.

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Mrs. Kalkier—"What does she talk about?" Mrs. Bocker—"Bridge and Bridge."—Harper's Bazar.

"Funman has a dry sort of humor." "Yes, his jokes are enough to drive one to drink, if that's what you mean."—Town and Country.

"Did that new dressmaker you tried give you a good fit?" "Did she? They had to call in two doctors when I saw how I looked in it."—Baltimore American.

Pupil—"Do you believe in spelling reform?" Teacher—"In your case I do. About every other one of your words is spelled wrong."—Detroit Free Press.

Mr. Poeticus—"This poem will set the world ablaze!" Mrs. Poeticus—"Well, you'd better practise with it on the kitchen fire—we're out of kindling."—Cleveland Leader.

"Why did you leave your last place?" asked the lady of the house. "You quarrelled too much, mum," said the cook. "About what?" "Generally the cooking, mum."—Milwaukee Sentinel.

"You haven't made many speeches lately." "No," answered Senator Sogham. "It's more work than it used to be to make a speech. The public is getting so that it takes an orator seriously."—Washington Star.

Oldboy—"I was run down by an automobile the other day." De Young—"Were you hurt?" Oldboy—"No, but the car was."—The Rambler.

"Just explain." "Then," replied the janitor, "you'll have to keep them in the safe. As children, they ain't allowed in this apartment house."—Harper's Bazar.

Sentimental Youth (to partner shaken by a passing tremor): "Oh, I hope you don't feel cold!" She—"Not at all, thanks. Only 'The grey goose walking over my grave.'" (Sentimental Youth (with affusion): "Happy goose."—Punch.

Young Husband—"It's very pretty, but don't you think it was extravagant to spend \$28 on a ring?" Young Wife—"But see, darling, I had already saved the \$28 by getting a gown that was reduced from \$88 to \$50."—Brooklyn Life.

"Which would you rather be, a legislator or an author?" "A legislator," answered the bright young man. "The products of his mind enjoy the dignity of resting in a pigeonhole instead of being ruthlessly consigned to the waste basket."—Washington Star.

"What we want," said the reformer, "is a system by which the office seeks the man." "We've got it right here in Crimmon Gulch," answered Plute Pate. "The whole sheriff's office was out last night hunting the feller that got the wrong boss."—Washington Star.

"So the millionaires gave a mask ball? Was it a success?" "No, but it would have been a success save for Percy Lavender." "What did he do?" "Why, he went disguised as a process server, and all the millionaires jumped out of the windows."—Chicago Daily News.

"You will understand, sir," Dr. Price-Price began, "that I cannot undertake to cure your case without a diagnosis." "That's all right," interrupted Nuritch, haughtily. "I a'pose that's the medical word for 'fee in advance.' Name yer feller!"—Phile delphia Press.

The Texas Spirit. You gather from Texas conversation that the massacre of the Alamo happened last month, that the Mexican War occurred last week, and that the Civil War was a tragedy of yesterday.

Wire fencing is now made in continuous rolls instead of in sections as heretofore. Galvanized wire at the intersections, fed automatically from reels, the welded by means of small transformers.