

#### SYNOPSIS.

**ВУНОРЫЯ.** А detachment of the Eighteenth in-findians in a narrow gorge. Among them indians in a narrow gorge. Among the indians in a narrow gorge. Among th mand here." borhood to me?" ders.'

### CHAPTER XIII. Silent Murphy.

Brant sprang forward, all doubt regarding this young woman instantly dissipated by those final words of mischievous mockery. She had been playthere-damn soon." ing with him as unconcernedly as if he were a mere toy sent for her amusement and his pride was stung. paign?

But pursuit proved useless. Like a phantom she had slipped away amid the underbrush, leaving him to flounder blindly in the labyrinth. His in--cautious foot slipped along the steep means-business." edge of the shelving bank, and he went down, half stumbling, half sliding, until he came to a sudden pause on the brink of the little stream. The chase was ended, and he sat up, confused for the moment, and half questioning the evidence of his own eyes.

A small tent, dirty and patched, stood with its back against the slope of earth down which he had plunged. Its flap flung aside revealed within a pile of disarranged blankets, together with some scattered articles of wearing apparel, while just before the opening, his back pressed against the supporting pole, an inverted pipe between his yellow, irregular teeth, sat a hideous looking man. He was a withered, dried-up fellow, whose age was not to be guessed, having a skin as yellow as parchment, drawn in tight to the bones like that of a mummy, his eyes deep sunken like wells, and his head totally devoid of hair, although about his lean throat there was a copious fringe of iron-gray beard, untrimmed and scraggy. Down the entire side of one cheek ran a livid scar, while his nose was turned awry. He sat staring at the newcomer, unwinking, his facial expression devoid of interest, but his fingers opening and closing in apparent nervousness. Twice his lips opened, but nothing except a peculiar gurgle sound issued from the throat, and Brant, who by this time had attained his feet and his self-possession, ventured to address him.

would be no difficulty in arranging a religious service for the men, unless avoid the issue and dispatch me upon sudden orders should arrive. No a false trail,--she prove to be that doubt I may rely on your cooperation.'

those desiring to attend your regular Sunday services so long as we are stationed here. How is your work prospering?"

"There is much to encourage me, but spiritual progress is slow, and there are times when my faith falters and I feel unworthy of the service in which I am engaged." "A mining camp is so intensely ma-

must present a difficult field for the awakening of any religious sentiment," confessed Brant sympathetically. "I have often wondered how you consented to bury your talents in such

occupied with vague garrison rumors connected with this odd personality, a place." The name had long been a familiar

The scout nodded carelessly.

Custer?"

The other smiled, but with a trace one, and he had often had the man of sadness in his eyes. "I firmly bepictured out before him. There could lieve that every minister should deremain no reasonable doubt of his vote a portion of his life to the doing identity, but what was he doing there? of such a work as this. It is both a "Yes, I've heard of you,"-and his religious and a patriotic duty, and crisp tone instinctively became that there is a rare joy connected with it." of terse military command,-"although "Yet it was surely not joy I saw picwe have never met, for I have been tured within your face when we met:

upon detached service ever since my you were certainly troubled over some assignment to the regiment. I have a problem." troop in camp below." he pointed Wynkoop glanced up quickly, a down the stream, "and am in comslight flush rising in his pale cheeks.

"Perplexing questions which must be decided off-hand are constantly aris-"Why did you not come down there ing. And just now I scarcely know and report your presence in this neighwhat action to take regarding certain applications for church membership."

Murphy grinned unpleasantly. "Rath-Brant laughed. "I hardly consider er be-alone-no report-been overmyself a competent adviser in matters Black Range-telegraphed-wait orof church policy," he admitted, "yet I have always been informed that all so "Do you mean you are in direct comdesiring are to be made welcome in

munication with headquarters, with religious fellowship." "Theoretically, yes." And the min-The man answered, with a wide ister stopped still in the road, facing sweep of his long arm toward the

his companion. "But this special case northwest. "Goin' to-be hell-out presents certain peculiarities. The applicants, as I learn from others, are "How? Are things developing into not leading lives above reproach. So a truly serious affair-a real cam- far as I know, they have never even

attended church service until last Sun-"Every buck-in the-Sioux nation | day, and I have some reason to sus--is makin'-fer the-bad lands," and pect an ulterior motive. 1 am anxious he laughed noiselessly, his nervous to put nothing in the way of any honfingers gesticulating. "-guess that- estly seeking soul, yet I confess that in these cases I hesitate."

Brant hesitated. Should he attempt "But your elders? Do not they share

same fascinating young person I met this morning, my entire sympathles "Most certainly," was the cordial are with the gentlemen concerned. I response, "and I shall also permit might even be strongly tempted to do likewise at her solicitation."

"You? Why, you arrived only this morning, and do you mean to say you have met already?"

"I at least suspect as much, for there can scarcely exist two in this town who will fill the description. My memory holds the vision of a fair young face, vivacious, ever changing in its expression, yet constantly both terial seven days of the week that it piquant and innocent; a perfect wealth of hair, a pair of serious eyes hiding mysteries within their depths, and lips which seem made to kiss. Tell me, is not this a fairly drawn portrait of your Miss Spencer?"

The minister gripped his hands nervously together. "Your description is not unjust; indeed, it is quite accurate from a mere outer point of view, yet beneath her vivacious manner I have found her thoughtful, and possessed of deep spiritual yearnings. In the east she was a communicant of the Episcopal church."

Brant did not answer him at once. He was studying the minister's downcast face; but when the latter finally turned to depart, he inquired, "Do you expect to attend the reception to-morrow evening?"

Wynkoop stammered slightly. "I-I could hardly refuse under the circumstances; the committee sent me an especially urgent invitation, and I understand there is to be no daneing until late. One cannot be too straightlaced out here."

again there."

"So I understood, although she sought to deceive me into the belief that she was not the lady. We met purely by accident, you understand, and I am desirous of a more formal presentation."

The minister drew in his breath sharply, but the clasp of his extended hand was not devoid of warmth. "I will have a card of invitation sent you at the camp. The committee will be very glad of your presence; only I warn you frankly regarding the lady, that competition will be strong."

"Oh, so far as that is concerned I have not yet entered the running," laughed Brant, in affected carelessness, "although I must confess my sporting proclivities are somewhat aroused."

He watched the minister walking rapidly away, a short, erect figure, appearing slender in his severely cut black cloth. "Poor little chap," he muttered, regretfully. "He's hard hit. Still, they say all's fair in love and war.'

# -though she sought most bravely to avoid the issue and dispatch me upon PLANT CULTURE BY THE **AID OF ELECTRIC LIGHT**

Success of the Artificial Methods of Forcing Vegetation-By B. H. Thwaitz.

The electric culture installation at 1 up by a glass trough filled with water. the Royal Estanic society's gardens. This water screen through which the Regent's park, is attracting much at- Ight rays have to penetrate is intendtention. Very soon after Jablouchoff ed to secure as near an imitation of invented the electric arc it was dis- natural solar effect as possible, and covered that the rays from this light to limit the effect of the rays, and if, stimulated the growth of plants, and it is desired to screen from the plants, the work was continued by Sir W. any portion of the spectra, colored Siemens in Great Britain and by Mr. water can be employed. The roof, Bailey in America. Sir W. Siemens of the reflector is provided with a died before his experiments were com- chimney to permit the escape into the pleted, but they were of splendid prom- roof of the greenhouse of the nitrous ise. Mr. Bailey was convinced that oxides that may be produced. It is the arc light promoted assimilation arranged that the arc lights are au and hastened growth and maturity. In tomatically, constantly and almost im order, perhaps, to better understand perceptibly moving along the entire. the beneficial effect of electric arc length backwards and forwards of the, rays on plants, a brief summary of the greenhouse, radiating a powerful beam,

of light on both sides of the house, The photograph of the tomato, plants is evidence of the beneficial ef; fect of the rays of the arc lights. So far as age is concerned the two plants are identical, but the taller one has been subjected to 48 hours' arc-light treatment. It will be seen that it is not only taller, but more fully developed so far as leaves or branches are concerned, and quite healthy. Should the weather be dull or fogs arise, the artifficial rays would be given for a longer period. It would be detrimental, of course, to run the plant all night, as plants require in a general way six hours' rest at least. We now come to the economic ques-

tion, the most important, probably, from a commercial point of view. Here it is rather early to give figures. though I expect it will work out to at least a saving of 30 per cent. over all systems at present employed. So far as labor is concerned, this is not an expensive item. Any ordinarily intelligent workman could master the manipulation of the system in a few

natural processes and role performed hours, while the apparatus will run by the various agencies will be use- for four hours without attention. It ful. As we all know, the essential is also early to say definitely what a food elements of plants are carbon- nurserymen adopting the system could which the leaves of the plants absorb hope to obtain. Strawberries, I imagfrom the ambient atmosphere-and ine, could be ripened under the system



nitrogen-which the plant, by means in seven weeks, and raspberries and

# FOR TRIFLING ILLS

IMPORTANCE OF SOME KNOWL EDGE OF MEDICINE.

Ailments Likely to Decome Serious Can Be Checked in Their Incipiency if One Understands How to Deal with Case.

It is a good thing for at least one member of every family to have a little knowledge of medicines, in case of emergency, and the information should be acquired by one sufficiently interested to make some study of the matter. Some people regard minor ailments as too trifling for any attention, while others grant so much importance to slight disturbances that there is eventually great waste of time and money. It would seem that some one in a family who would observe care fully, storing valuable knowledge by experience, and who would study trustworthy sources, would prove to be an indispensable comfort in the home. She will know just when the doctor is needed, and just what to do without him, or to assist, and in that knowledge will show herself as praiseworthy as a thrifty housewife or a matchless cook.

There are so many emergencies for which frail humanity must be prepared that one short article could scarcely begin the long list. But the following few suggestions may serve as the first guide post on this particular path of research. Cause, prevention and cure should be the systematic divisions of this study. "Colds" are concerning a good many households just now; it is always so at the change of seasons. Impure air is a powerful ally of this disease. It may be in a bedroom, a schoolroom, a public hall, a crowded drawing room. There is more illness caused by defective ventilation than by draughts. If one is exposed to the latter, and yet is warmly clad and moving briskly, there is no danger. The factor most potent in resisting cold is a healthy circulation of blood; such a condition cannot exist for a moment without pure air.

Preventives of cold and its various catarrhal conditions consist chiefly in common sense, that rarest of all virtues. That means keeping the body sturdy in all its vulnerable points-a throat that is used to exposure, a head that often goes hatless, feet that may get wet without harm (providing they are reshod as soon as inactive), a body that never feels the cold when it is hurrying about in fresh air. The cure of colds is a simple matter if begun in time. The first signs of cold should be the signal for treatment.

Then there are such little troublesome matters as nosebleed, earache, inflamed eves, mouth sores and the large and various number of ills resulting from fever and deep-rooted disease. The amateur student of these difficulties should not rely upon her scrapbook when biding emergencies. She should learn by heart her store of wisdom, and above all things cultivate good judgment.

The Traveling Lamp.

"Oh, never mind apologizing. I see no reason why you need hesitate to attend. I merely wondered if you could procure me an invitation." "Did she tell you about it?" "Well, she delicately hinted at it, and, you know, things are pretty slow here in a social way. She merely suggested that I might possibly meet her

"Of course; it is given in her honor."

"Nice quiet spot for a camp," he remarked, pleasantly, "but a bad place for a tumble."

The sunken eyes expressed nothing, but the throat gurgled again painfully and finally the parted lips dropped a detached word or two. "Blamepretty girl-that."

The lieutenant wondered how much of their conversation this old mummy had overheard, but he hesitated to question him. One inquiry, however, to learn more about the young girl? | the responsibility of passing upon sprang to his surprised lips. "Do you know her?"

"Damn sight-better-than any one around here-know her-real name." Brant stared incredulously. "Do you woman is living in this community un- ing the stream. der an assumed one? Why, she is scarcely more than a child! What do he said tersely, "we can probably supyou mean, man?"

The soldier's hat still rested on the grass where it had fallen, its military insignia hidden.

"I guess-I know-what I-know," the fellow muttered. "What's-your -regiment?"

"Seventh cavalry."

The man stiffened up as if an electric shock had swept through his limp frame. "The hell!-and-did-shecall you-Brant ""

The young officer's face exhibited his disgust. Beyond doubt that sequestered nook was a favorite lounging spot for the girl, and this disreputable creature had been watching her for some sinister purpose.

"So you have been eavesdropping, have you?" said Brant, gravely. "And now you want to try a turn at defaming a woman? Well, you have come to a poor market for the sale of such all else appertaining to life. goods. I am half inclined to throw you bodily into the creek. I believe you are nothing but a common liar, regiment-a life passed largely among but I'll give you one chance-you say you know her real name. What is it?"

The eyes of the mummy had become spiteful. "It's-none of-your damnbusiness. I'm-not under-your orders."

"Under my orders! Of course not; but what do you mean by that? Who beat with fierce desire, biding the time and what are you?"

The fellow stood up, slightly humpbacked but broad of shoulder, his arms long, his legs short and somewhat bowed, his chin protruding impudently, and Brant noticed an oddly shaped black scar, as if burned there by powder, on the back of his right

"Who-am I?" he said, angrily. "I'm -Silent-Murphy."

An expression of bewilderment swept across the lieutenant's face. "Silent Murphy! Do you claim to be Custer's scout?"

The fellow nodded. "Heard-of me



# "It's-None of-Your Damn-Business. I'm-Not Under-Your Orders."

Instinctively he appreciated the futil- such applications?" ity of endeavoring to extract informa-The flush on Mr. Wynkoop's cheeks tion from Murphy, and he experienced a degree of shame at thus seeking to | narily, yes; but in this case I fear through the special intercession of a

certain young lady, and I am anxious "If you require any new equipment," not to hurt her feelings in any way, or ply you at the camp. How do you to discourage her enthusiasm." "Oh, I see! Would you mind telling manage to get across here?"

Murphy, walking stiffly, led the way down the steep slope, and silently pointed out a log bridging the narrow stream. He stood watching while the officer picked his steps across, but

"And the young lady?" made no responsive motion when the "A Miss Phoebe Spencer; she has other waved his hand from the oppobut lately arrived from the east to site shore, his sallow face looking take charge of our new school-a most grim and unpleasant. interesting and charming young wom-

The young officer marched down an, and she is proving of great assistthe road, his mind busied with the ance to me in church work." peculiar happenings of the morning. and that prospect for early active ened memory. "I fear I can offer you committee, was present. service hinted at in the brief utterno advice, for if, as I begin to suspect,

personally."

me the names of the two gentlemen?'

ances of the old scout. Brant was a thorough soldier, born into the service and deeply enamored of its dangers; yet beyond this he remained a man, a young man, swayed by those emotions which when at full tide sweep aside

His had been a lonely life since leaving West Point and joining his rough men and upon the desolate plains. For months at a time he had known nothing of refinement, nor enjoyed social intercourse with the opposite sex. Yet, beneath his mask of impassibility, the heart continued to when it should enjoy its own sweet way. Perhaps that hour had already dawned: certainly something new, something inspiring, had now come to awaken an interest unfelt before, and leave him idly dreaming of shadowed eyes and flushed, rounded cheeks.

He was in this mood when he overtook the Rev. Howard Wynkoop and marked the thoughtful look upon his pale face.

Wynkoop, after the first words of very well in spite of the fact that he greeting had been exchanged, "as soon as I learned you were here in com-mand, but only to discover your ab-lar remark with emphasis, and took

od staring at him, his mind very courteous, and assured me there on words. When she saw the point,

CHAPTER XIV. In Honor of Miss Spencer.

Mr. Jack Moffat, president of the

embraced the idea of a reception for Miss Spencer with unbounded enthusiasm. Indeed, the earliest conception of such an event found birth within determined upon making it the most notable social function ever known in that portion of the territory.

The large space above the Occidental was secured for the occasion. the obstructing subdivisions knocked away, an entrance constructed with an outside stairway leading up from a vacant lot, and the passage connecting unless it is receiving the violent actinthe saloon boarded up. Incidentally, Mr. Moffat took occasion to announce that if "any snoozer got drunk and tric light. The chemical rays of the came up them stairs" he would be thrown bodily out of a window. Mr. McNeil, who was observing the preliminary proceedings with deep interest from a pile of lumber opposite,

sarcastically intimated that under such circumstances the attendance of club members would be necessarily limited. Mr. Moffat's reply it is manifestly impossible to quote literally. Mrs. Gufdeepened, and his eyes fell. "Ordi- fy was employed to provide the requi-

site refreshments in the palatial dinpenetrate her secret. He glanced they may prove unduly harsh. I-I ing-hall of the hotel, while Buck Mamean to insinuate that that young about, seeking some way of recross- feel-that these applications came son, the vigilant town marshal, popularly supposed to know intimately the face of every "rounder" in the territory, agreed to collect the cards of invitation at the door, and bar out ob-

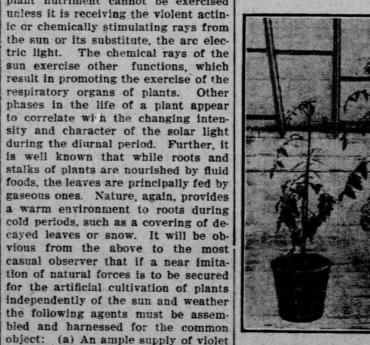
noxious visitors. The invited guests arrived from the "Mr. John Moffat and Mr. William sparsely settled regions round about, McNeil. Unfortunately, I know neither not a few riding for a hundred miles or chemically active rays projected over the hard trails. The majority came early, arrayed in whatsoever apparel their limited wardrobes could supply, but ready for any wild frolic. The men outnumbered the gentler sex five to one, but every feminine representative within a radius of about 50 miles, whose respectability could pos-The lieutenant cleared his throat sibly pass muster before the investiga-

and emitted a sigh of suddenly awak- tions of a not too critical invitation (TO BE CONTINUED.) service.

# Prematurely in Bloom.

of its roots, derives from the soil fer. | grapes and other similar fruit in about Bachelor Miners' Pleasure club, had tilizers. Of all the processes that two and a half months from shooting. constitute links in the chain of or- I am here working, more or less, on ganic vegetable activity, none is so the results obtained by Sir William wonderful as are those associated Siemens, who employed a simple stawith the building up of a green leaf. tionary arc. We know that with his his fertile brain, and from the first he The chlorophyl granules embedded in comparatively primitive installation he protoplasm constitute the green pigsecured ripe and strong-flavored ment of leaves forming the field of grapes in from two to two and a half chemical activity, the function of months from a date in December. which is to find nutriment for the As a result of the present experi-

leaves, and through them the plant, ment I have been frequently asked if during the active period of its existthe application will be extended to ence: but this chlorophyl function of field work. No doubt it will be the plant nutriment cannot be exercised



The Tomate Plants.

SELECTING OF

DAIRY CATTLE

The British board of agriculture, in

from powerful and moving arc lights; means of bringing the question of elec-(b) a supply of electro-static current tro static application for field work for atmospheric and root electrificato the front. After all, if we admit that in the open it is impracticable. yet, considering the development of cheap roof construction, with roofs that can be rapidly removed, there is no reason at all why electro culture on heit and 80 degrees Fahrenheit; (d) a big scale cannot be brought within an ideal fertilizing agent; (e) an the sphere of practical science for apample supply of water for the roots' plication throughout the year.

Seeing that the installation at the octanic gardens has only been in operation for a few weeks, it is too early yet to make any pronouncement, but the requisite agents are, it is hoped,

being furnished by the system now under test. As to the machinery that dealing with this subject, binds its is accomplishing this, any lengthy or faith to the dual-purpose cow, and nattechnical description need not here be urally considers that the carefullygiven. Briefly, it consists of a modern bred Shorthorn approaches most nearproducer suction gas engine coupled ly to its ideal. It is acknowledged, howto a dynamo. The electric energy deever, that a difference in choice ought veloped by this plant is allocated to to be determined by the nature of the the feeding of the arc lights and ground and the purpose for which the traveling gear in the greenhouse. An cows are kept. For good land the electro-static machine driven from the breeds recommended are Dairy Shortgas engine crank shaft discharges horns, South Devons, Jerseys and electricity at various points in the Guernseys; for exposed country, glasshouse to electrify not only the Welsh, Ayrshires, Kerries and Redair, but the plants and their roots as polls. Those kept for milk-selling had well. The stored heat developed by best be Dairy Shorthorns, Welsh, Ayrthe engine is utilized for maintaining shires and Kerries; for butter-makthe greenhouse at the desired temperature. Placed just below the roof

ing, Jerseys, Guernseys, South Devons, Dairy Shorthorns and Red-polls. use are two rails from which of the depend the arc lights, the most interesting device probably in the whole Grain Growers' Troubles .-- While it lant to the general visitor. It is quipped with special reflector hoods, is sometimes difficult to secure hired help for the dairy farm, the grain ped with special reflector hoods, help for the dairy farm, the grain hich the beam of light is con-grower has more serious troubles faed within narrow limits of con along this line. His rush comes all

tration. The open end of the hood at once and a is closed in by a water screen, made a great loss. at once and a scarcity of help means Tenderloin and Oysters.

Tenderloin and oysters, while making a unique and distinctive dish, are at the same time so simple to prepare that the ability of the inexperienced cook is not taxed, says the Delineator. Let her first mix a little butter and flour in her stew-pan, and, when the blend has browned let her add a chopped Spanish onion and two pickled walnuts that have been cut into small pieces. A moment or two later two tablespoonfuls of mushroom catsup and a teaspoonful of Worcestershire sauce are added, after which the uncut tenderloin steak is placed on top of this mixture to simmer for about an hour. It must be turned three or four times during the interval.

# Liverworse or Scrapple.

Take ten pounds of the head, heart and odd pieces of fresh pork, together with an equal portion of liver; when cooked pick out the bones and put through a sausage grinder; return to the stove and let it cook slowly all day, stirring it. Season with a little sage, thyme, pepper and salt, and thicken to the consistency of mush. with cornmeal. Pour into earthen or stone pans and cover with lard. When hard it is either sliced and eaten cold or fried thin and brown. This is far superior to pork sausage.

# How to Boil an Egg.

Most people drop an egg into boiling water and let it cook steadily for three minutes for a so-called soft-boiled egg. The proper way to soft-boil an egg is to remove the saucepan from the fire when the water reaches boiling point; drop the egg in at the moment of removal, cover the saucepan and leave the egg in the water for six minutes. When there are two eggs let them stay eight minutes. For mediumcooked, ten minutes are required, and for hard-boiled half an hour.

### Press Cake.

Two and a half cupfuls sugar, one cupful butter, four cupfuls flour, one cupful milk, four eggs, one-half tesspoonful soda (no more). Bake in three sheets. To the third portion add one tablespoonful molasses, one cup raisins, one cup currants, one teaspoonful of all kinds of spices. three teaspoonfuls wine or brandy. Put jelly between layers; press under a board and a flatiron four hours: frost and put it where the flies can't get it.

Unusual Recipe for Cooking Onions. The onions, which should be of the large Bermuda variety, should be boiled until nearly soft, but still firm. Stuff with a filling made of any convenient chopped meat, one hard-boiled egg, salt and pepper to taste and a quarter of a cupful of chopped nuts. Sprinkle cracker crumbs over the whole, and on top of each onion lay a thin slice of bacon. Bake for half an hour.

# Facts About Fried Oysters.

When oysters are to be fried, they should never be rolled in egg and breadcrumbs or cracker dust, as most cooks believe. After slightly flattening each oyster, lay it in fresh milk, then roll it in a mixture made of equal part of flour and sifted cracker crumbs. Lay them in the regular crolette or oyster broiled over very p hot fat and fry until brown



# She Saw The Joke.

suing Recital.

"My mother is a dear old lady," said the professional jokesmith, "but she has no more sense of humor than an Egyptian mummy. The other day we were discussing a friend of the familv, a certain Mr. Joblots, we will say,

who keeps a book and stationery ale face. "I called at your camp," explained Joblots seemed to be getting along

Neuralgia and rheumatism con der the head of sharpshooters.

which she eventually did, she shook But Lack of Humor Failed Her in En- all over like a bowl of jelly, and re-

garded me as a mad wag. "Several evenings later we were

entertaining guests at dinner and the name of Mr. Joblots came up in the course of conversation. My mother's eyes glistened in anticipation of a bon mot. 'Mr. Joblots,' she exclaimed. 'seems to be getting along very well in spite of the fact that he keeps writing paper.'

"And when no one laughed, and the conversation resumed its normal flow, she looked so disappointed that I really felt sorry for her."

#### tion: (c) the plant environment of an atmosphere containing moisture and in the proportion common to the most fertile countries, and at temperatures within the limits of 70 degrees Fah-

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