Aemocratic Watchman

Bellefonte, Pa., October 7, 1921.

continued:

all up with him."

a snarl of horror.

part soul from body.

felt some return of strength.

more the thinking machine.

words, and then continued:

tide is going out now."

ment.

"I'm

our minds.

time, little one."

"Look!" she panted.

He obeyed and, at a little distance,

saw first one and then another dorsal

fin cleave the water, apparently in at-

tendance on some objects which were drifting towards them out of the white turmoil of the reef surf. He re-

alized the meaning of the thing before

she did and, at the thought that these

mangled fragments were all that re-

into the semblance of a Japanese

mask, the mouth opening squarely in

"INVICTUR.

Out of the night that covers me. Black as the pit from pole to pole I thank whatever gods there be For my unconquerable soul.

In fell clutch of circumstance I have not winced nor cried aloud. Under the bludgeonings of chance, My head is bloody, but unbowed.

Beyond this place of wrath and tears Looms but the terror of the shade; And yet the menace of the years

Finds, and will find me, unafraid. It matters not how straight the gate,

How charged with circumstance the scroll

I am the master of my fate; I am the captain of my soul." -Selected.

THE UNFIT SURVIVOR

The woman sat up, and pressed her palms against her throbbing head. Her wet garments steamed in the hot sunshine. Hopelessly bewildered, she looked out on an empty world of sea and the woman at his side shrieked. and sky. But her face cleared when He turned, to find her convulsed by a she caught sight of her companion. "Paul, I can't remember. How did I get here?" she asked.

The man made no answer, but looked at her swiftly, almost furtively, then turned to the sea again.

To the east lay a barren island, apparently of volcanic origin, separated from him by scarcely a mile of quiet water, while north and south stretched a line of surf punctuated by black dots and eloquent of the reef which girdled the island. But it was the uninterrupted sky-line to the west that held his strained attention.

It was only after tremendous concentration that she began to piece together the events which had preceded | faintly. her period of unconsciousness.

'You saved me, Paul?" she inquired.

"You were dashed against a rock and stunned," he answered. "I man- hope into him. aged to catch hold of you."

Had the man looked around instead color flood her face at the thought that it was he he who had that it was he-he who had saved her. When she spoke again, her voice was tremulous with joy at this knowledge. "But-the others, Paul?"

"Dead!" he answered laconically. A dawning horror was swallowed up by thankfulness that they two of all in dropped from him and he became once the boat-they two who meant so much to each other-had been saved.

God was very good. "Thank God!" she said fervently.

He looked round at that and a maddeningly ironical smile played about his lips.

"So you have reverted?" he mocked.

ed. "I can't help it," she said depre-catingly. "On the steamer it was dif-ferent, somehow. When we waiked up the dock and talked, words "And presently we shall be watch-ing it creep up, inch by inch, slowly, inevitably, and then— Oh, God! God! Don't let it be—don't let it be!"

you here the place was alive with the "But you love me-Paul, you can't JAZZ IS SINGING brutes. It wasn't a pretty sight." mean it; you can't mean to leave me He paused for a moment and then to a death like that. Think, Paul, all

alone to watch death creeping nearer "Some of the men crossed the reef and nearer-and such a death. To be and made for the island, only to be picked off, one by one, and in the still eaten by a fish! Oh, it would be hor-rible, to finish like that!" water of the lagoon. One man—that jolly, red-headed chap you used to like so much—got about half way, but I suppose his strength gave out with the "Sentimentalism again," he argued

relentlessly. "Reasons; give me reasons." She tried desperately to gather her

constant splashing necessary to frighten the brutes and at last I wits together. heard a faint scream and knew it was

"I was so happy, Paul, and I washt wicked. Lots of people love me and would miss me. And then there's the money. Money's a big thing, isn't it— a great power? And I will swear to do a great deal of good with mine. But if I die, you know Jim Treversk will get it and he's a drunkard and a will get it, and he's a drunkard and a young goddess of Melodious Rhythm, waster, so—so you see I must live, don't you, if only because of the re-sponsibility of my wealth?" She finished breathlessly, scanning a new day of dignity, grace and sheer his face for a sign of relenting.

mained of men who had been their comrades, his face became distorted "I didn't ask you your worth as a

member of society," he said, "but as a woman, a human being, a perpetuator of the race. I've given you a hearing; now listen to me.

A flash of white belly as a shark turned over was followed by the dis-"To begin with, you are hampered

by your sex. This ought not to be, but appearance of something that had it became so when your female probeen floating on the water. After a genitors ceased to be strong, deepwhile this happened again, quite close, chested women and became triumph-antly ineffectual ladies. Things being wherein John Barleycorn was interred. as they are, therefore, I, as a man, am paroxysm of vomiting and sobbing which, in its violence, threatened to stronger, more likely to survive hard- the unrest following the war, so jazz ships, to overcome obstacles. I, as a was ushered in with the unrest attendman, have power to generate more ant upon the demise of John Barley-The paroxysm terminated in a shivchildren. Leaving sex out of it, how- corn. Now jazz is going the same ever, your constitution is inferior to way as Bolshevism. ering fit and then, at last, the man became human, interposing his body be-tween her and the horror. She bemine. Remember that just now, when you saw an ugly sight, you were sick! came conscious that he was pressing Also, my mind is more vigorous and her to his breast, while huskily and sane. brokenly murmuring terms of endeartional, superstitious in time of dan- imous verdict of very many hotel and ger; I remain a reasonable being. It cafe proprietors along the seashore is I who am capable of foresight, strand, Broadway and other rendez-"Hold me, hold me tighly," she whispered, and his grasp tightened until presently she ceased to tremble and "We shall have to wait here until we

are picked up by some ship or one of the other boats, then?" she asked He began to move the barrel. "Kill me before you go!" she prayed, but he got into the barrel and

afraid that can't happen in pushed off. Somehow she did not understand his

Womanlike, she roused herself at words of hope that he might reach the that and endeavored to instill fresh island and by some means rescue her. But, if she had understood, she would chestra at Atlantic City, is not only soon have seen the futility of such a convinced that the art of terpsichore "Why, Paul! The chances were all against our being alive now," she said. hope, for, once in the grip of the cur- has not suffered any set-back as a re-You musn't lose heart yet. How long rent, he was rapidly carried towards sult of the passing of John Barleycorn the open sea, despite all his efforts at but that, on the contrary, the drought rowing with pieces of the barrel-top. has benefitted dancing.

"That isn't the point, Christine. This rock is covered at high tide." Realizing his helplessness, he presently abandoned effort and gave him- tel in Atlantic City where there is a self up to watching the solitary figure dance orchestra about dinner time, He had resisted an impulse to keep her in ignorance as long as possible, on the rock.

deciding that truth alone was admira-She seemed stunned at first and ble. With that decision, his humanity suddenly, unexpectedly, she gave vent to a series of wild, terrible shrieks that shook even his control. He had a dancing lessons two years ago there "So, you see, the chance is so remote momentary vision of a tragic figure are a dozen learning to dance today. that we might as well dismiss it from with its arms flung to the sky-then He paused for a second that she she fell face downwards upon the rock might realize the awful import of his and he heard no more.

> sun low in the heavens. Out to sea a cocktail, and your head is clearer there was nothing visible upon the next morning. The day of jazz is the next morning.

HER SWAN SONG. Good-bye Jazz! The great god of topsy-turvy ragtime which has been magnifies triffing things but cann tangling up the feet of Terpsichore ceive great ones.—Lord Chesterfield. these many months and leading dance devotees through a maze of intricate "side-slips," "tail-spins" and other grotesque pantomime is on his way

out. Up and down the boardwalks of the Jersey shore resorts, as one mingles "I was so happy, Paul, and I wasn't with the throng of vacationists in Atsimplicity in music and dancing. Welcome the renaissance of old-fashioned harmony!

If the leaders of orchestras in the big beach-tront hotels of Atlantic City are to be believed—and they occupy a strategic position to judge public sentiment as they observe the toddlers and the fox-trotters-Jazz shortly is to don a shroud and occupy a last Just as Bolshevism was born out of

Remarkable, too, is the way this controversy over dancing in a prohibition era is working out. "It simply You become hysterical, emo- cannot be done," was the almost unan small powers. I can save myself. You might fail. So you see, it is I who have the right." from the lobster palaces. Their argu-ment was that it required the bubbles of "joy-water" properly to set the feet of the dancers in rhythmic motion. But now come the dance orchestra

leaders who declare time has proved this argument a fallacy. In fact, Max Fischer, leader of the Ritz-Carlton or-

"Go to any good restaurant or hohe said, "and you will have a hard trimming. time getting in. In many places you will find people lined up for a considstayed quietly as he had left her; then erable distanc waiting their turn to vorite, but all soft laces are used. It secure tables. Furthermore, where there used to be one boy or girl taking

"The passing of John Barleycorn All shades of purple are very popu-has not hurt dancing—far from it. lar. These are charming when trim-Those people who like music with

FOR AND ABOUT WOMEN. DAILY THOUGHT.

A weak mind is like a microscope, which magnifies triffing things but cannot re-

Knickerbocker suits are becoming the fad for women. They are to be worn generally for the street and are being made in winter fabrics and knitted materials. Coats are made to match, or in the woolen knitted suits there is a combination of color shown. Riding habits are made with an extra pair of knickerbockers, to be used for walking, that match the coat used

when riding. Dresses or separate skirts are being made that with the deft change of a few buttons a woman can change her dress or skirt into a knickerbocker suit and be prepared for walking at any time.

Fur jackets are again conspicuous. Coatees are made of fur for the small woman. All fur coats show mandarin

sleeves. Coats are replacing the wraps in

many instances. All coats are being belted this sea-

Hand painted quills are used to trim the new tailored hats.

Indications during the past week point to the revival of the felt hat. Tan and gray are the colors which are specially favored.

Considerable cire lace is used, both in sash and drape effects.

Red, jade and black are being used for junior wear.

Individuality rules. In shapes as well as colors.

The large hat is smart; and there are quite as many small ones.

All black is everywhere; and the high colors are quite as popular. More than for some time, one

chooses the hat most becoming without slavish regard to Fashion's whim. Colors new this season, and just a thought different from any others, include pheasant, coffee, paradise. hon-

eydew, Jiggs red and Dinty green. A glorified version of the willow plume hangs from many hats at the right back to the waist line. This note is repeated in chenille, weighted at the shoulder with jet rings.

Duvetyne occupies an important place in the mourning millinery. Its dull sheen has both beauty and quiet dignity.

Whatever else one may do, one must not overlook the Spanish note of lace trimming. Alluring, bewitching, smart, it softens the face and adds dash and charm. Chantilly is a famay be draped about the brim, falling piquantly, or it may swathe the hat, become a scarf at the neck and hang to the waist.

med with the autumn colorings of are apt to smother the plants. Old frosted grapes and tinted leaves. A wheat straw is probably the best and handsome imported model is a draped cheapest material that could be used, It was some hours later when the their meals have nothing to divide frosted grapes and tinted leaves. A woman lifted her head. She did not their attention with dancing now exhandsome imported model is a draped know whether she had lain there a cept the food. You can get just as turban of panne velvet, which shades short or a long time till she saw the good a jolt out of the dance as out of from deepest purple to mauve.

The graceful, dashing black hat de-

FARM NOTES.

-Pennsylvania produced 37.3 per cent. of the buckwheat grown in the United States in 1919. Her crop of 4,755,739 bushels was larger than that produced by any other State.

-Poultry and bees are no small item in our farming activities. The value of poultry on farms in 1920 was \$373,950,055, and the value of bees was \$16,855,251. Add to this the value of all the poultry kept in the villages and city suburbs and there is a sum that outranks some of the supposedly much larger industries.

-One part of the farm business which has continued to pay through good times and bad is poultry. First quality eggs continue to bring firstclass prices. With the declining prices of grain the farmer who has a flock of well-kept hens is in positionto make some money with them, but it cannot be done without giving them the same care that the good dairyman gives his cows.

-The three most important constituents of a fertilizer are nitrogen, phosphorus and potassium. Nitrogen is the most expensive constituent of the fertilizer and the one most likely to be needed first on soils. The legumes have the adaptation of using free nitrogen and storing it in their roots. Farmers may buy phosphate and potash, where these are needed, and grow legumes to put nitrogen and humus in the soil.

-The hog, having a small stomach, requires water at frequent intervals. It is a requisite to digestion and health. It is the cheapest essential ingredient that enters into the make-up of the body of the growing pig. At the same time water is an easy conveyor of diseases if it is impure, stagnant or filthy. This shows the necessity of having fresh water. Water assists the machine that transforms the different ingredients of feed into the form of bone, muscle and blood. A thirsty pig, worrying for a drink, is a waste of energy, strength and flesh.

-Mulching the strawberry bed is highly important. The straw used in mulching protects the plants from al-ternate freezing and thawing. When plants remain frozen all winter and then gradually thaw out in the spring not much damage will be done, but when left bare and the beds freeze and thaw alternately in spring and during warm weather in winter great in-jury is done to those plants left partly out of the ground.

Mulching will mean clean berries and it will also conserve moisture and take the place of cultivation in the spring, when the latter is not practic-able. Mulching also keeps down weeds, and the humus made by the decaying straw improves the mechanical and chemical condition of the soil.

The material used in mulching should be open and loose in texture. Leaves and sawdust pack down and and sometimes straw manure can be employed to good advantage. Care must be taken that no material is used

seemed to prove things and I was carried away by what you said. But now it isn't words, Paul—it's facts. Can't you see that it is by no chance we have been saved?"

"A miracle, then?" he scoffed. "It was no chance. Think! Just you and I, Paul, of all in the boat-

you and I who love each other." The man gave a little, mirthless

laugh. "I'm afraid I can't flatter myself by

creating a Providence whose sole duty it is to preserve me and mine." he "And, by the way, it doesn't said. strike you, I suppose, that each of those others may have thought like you, may have loved and been loved." He paused here as if he expected her to dispute this, but the woman covered her face with her hands and was silent.

"You said just now that it was of your 'miracle' as I see them:

"First of all, I am a strong man and keep myself always in a state of physical fitness; therefore, when danger comes, I have nerves and muscles at command. That explains my presence here. And that, while saving myself today, I saw you in difficulties and, glorying in my own strength, must needs show that I had enough for two. There you have it-stripped of glamour. It's very simple."

She raised her head and he saw that the light had died out of her eyes. "Do you mean to say that you saved

me practically from motives of vani-ty?" she asked.

"It was rather like that, I own," he said, groping for words to express the "but you must make alexact truth, lowances, also, for the sexual instinct, which would naturally prompt the animal to preserve his mate.

"I hate to hear you speak of love in that way!" the woman exclaimed passionately.

"That's because you're a hopeless sentimentalist, Christine. But this is a lot of talk about nothing, for we are not by any means saved yet. I'd like you to help me solve the problem of how we are to get away from here.

"Why, we can swim to the island! It's only a little way."

"I'm afraid there are reasons which make swimming impossible." "Reasons which-- Oh-h!"

In a flash she had remembered the boat's grisly following of sharks. "Look!" he said.

She followed the direction of his gaze and saw a cruel, evil shape cruising round their haven of refuge. It disappeared and, fascinated, she watched for its reappearance.

"Yes," said the man meditatively, Suddenly he threw his arms above his head and went under, leaving a track of red froth behind him. At that I to life. began kicking up the water with my feet and managed to keep them off, but it was no easy job to hold you and are bound to save me by all the laws him in a place where he will have to swim and splash all at once. There of chivalry." wasn't much time for awaiting miracles, I can tell you. By the time I got | ed.

She slipped to her knees, uttering vehement repetitions of the same prayer, until the thought that she was behaving like a coward and that he must scorn her for it, helped her to control herself. She rose to her feet

"It will be some hours yet. The

and spoke his name timidly. "Paul!"

His back was turned to her and he made no answer.

"How you must despise me for rushing back to futilities at the first show of danger! Do you despise me?

"Paul, speak to me! I've come to my senses now. Don't let us waste this time, this little, precious scrap of time that's left to us. Let's live every moment of it. There are things I want to say to you and things I must hear you say to me before-before She faltered for a second and then went on bravely.

"After all, death is no more real facts, not words, that counted," he than it has always been, only a little continued. "Well, here are the facts nearer, and we won't think about it nearer, and we won't think about it till the very end, will we? We're sway in Canada 200 years ago. alive now-we two-you and I, and remember three nights ago you told me that you loved me."

ed for an unopened biscut barrel which had been with them in the boat.

later managed to land it. She waited and that of the oldest inhabitant. hungrily while Paul staved in the top and then, having seized on a biscuit, she paused with it half way to her mouth to wonder why he was emptyto remonstrate, with stunning suddenthis barrel meant. It was a chance of escape for one of them.

At that, the biscuit dropped unheeded from her hand and all of nobility that was in her died. Flinging herself at his feet in a passion of tears, she besought him frantically to let her have the chance, in her state of panic not caring who should die if only she might live. He broke in on her entreaties with apparent harshness.

"Listen, and stop crying. This is no time for hysteria. His roughness had the calculated

effect of calming her almost instantly. He continued:

"One of us is probably going to live and it has got to be the one who is most worth life, who will be of the most good to the race. Do you understand If you can convince me that your life is more valuable than mine, you are welcome to this means of escape and I will stay behind. If not, you must stay."

She stared at him with dilated eyes. Used as she was to his theories, she "I saw one poor devil starting to sprawl onto this rock ahead of me. could embody more than a kind of percould embody more than a kind of perverse philosophy, very fruitful of heated argument and with no relation

"Paul, you can't mean it," she gasped.

"Sheer sentimentalism," he remark-

waters, strain her eyes as she might done. People don't want the tin-panbut, when she turned her hopeless ny squawk and the weird noises any gaze towards the land, she stared for more. The demand is for melodious a moment incredulously and then rhythm. We are drawing on the classprang to her feet.

It was true—it was true! The tide finding that this is popular. I have had gone out—gone out so far that arranged 'Kamenoi Ostrow,' by Rushe might walk to the sterile-looking binstein, and his Melody in F for oneland almost without wetting her feet. steps, not eliminating a single note, She turned again to the west, scan- but changing the rhythm so that it is ning the sea for a black speck that in one-step time—and it is always enwas no longer there. Then came a cored. revelation of the ironic humor of the from 'Madame Butterfly,' and 'Thine situation and she laughed aloud.-By Own Sweet Voice,' from 'Samson and Katherine Harrington, in The Cosmo- Delilah,' into fox-trots, and they go politan.

MYSTERY OF THE GREAT LAKES. Why does the water in the great

lakes that lie between a large portion of the United States and Canada rise and fall in periods which average seven years?

This natural phenomenon has been a puzzle since the day when France held

In an unpublished diary of an English traveler who voyaged up the St. Lawrence river to Niagara, Ontario, in He disengaged her arms from about the summer of 1785, the following refhis neck and pointed, without speak-ing, to something that was drifting towards them and which she recogniz-me by Mr. Pansee, our conductor, who had been constantly engaged in this is giving way to the bona fide well-ednavigation for nearly twenty years, ucated, experienced musician of worth. Thereafter they watched it with and which he advised me is a matter Thereafter they watched it with and which he advised me is a matter "There are a lot of alleged musi-breathless interest and a few minutes of fact both from his own observation cians out of jobs right now," he said,

settles or falls a little until the sev- jazz faker from New Orleans who enth year, when it is visible that it couldn't read a note is giving up his has sunk between three and four feet, place-and he has to-to the player ing out the barrel. As she was about and then for the next seven years it continues to rise in the same proporness came the realization of all that tion. The river is at this time at its if need be. I expect always to have in greatest elevation (July 1, 1782). I my organization as high-class musitook great pains to gain some infor- cians as I can get; and the fact that mation of this uncommon phenomena. I find that the lakes have the same ap-

pearance. Careful government records were begun about the year 1820 and since one is willing to pay the price." then it has been found that the periods between high and low water are sometimes as high as nine years. This year the water is again at its lowest

in the lakes and river, and freight carriers are having trouble in various harbors.-Selected.

Two applicants before the director of the U.S. marine corps institute at Quantico, Va., had spelled the word "grammar" as "grammer" and were making corrections when a third ap-plicant came along and asked: "What are you changing the word 'grammar' for

"Why we spelled it wrong," answered one of the applicants.

"Give me that rubber," said the third man. "Darned if I ain't spelled it with two m's myself."

-To train a colt to walk fast is a matter of months. To make a slow walker, hitch the colt with a lazy old horse and spoil him. If you wish him "Why, I am a woman and you to walk fast start him that way. Put

-Subscribe for the "Watchman."

sics for our music for the dance and

We have made 'One Fine Day,'

over with a bang. There are at least a half dozen others which have been similarly arranged and which heretofore have been heard only at so-called

'high-brow' concerts. "The old-fashioned waltz is coming back into its own. I mean the waltz of our fathers and mothers, not the hesitation. It is pretty and graceful, and this generation is beginning to realize it. The fox-trot still retains its popularity, although of late it has been changed somewhat by the addition of other steps. Most orchestras find they have to play it over all other forms of dance music by a ratio of six to one in

"and many more are finding them-Each year the St. Lawrence river selves on the street every day. The with a sound musical education, who can read music and who can improvise, three of our orchestra at the Ritz were first-chair men in philharmonic orchestras shows it is possible to get this class of musician, provided, of course,

Tactful Hubby.

"Before we were married," said the young wife, "you used to bring me flowers every day. Now you never even think of buying me a bunch of violets."

There were tears in her eves. But he was equal to the occasion. "My darling," he said, with great tenderness, "the pretty flower girls don't attract me now as they used to do.' After which of course, she told him

that she didn't really care much for

Didn't Hurt Them.

flowers.

A man was walking along the street and he drew near to some laborers, who were engaged in building a house.

"All right!" responded one of the bricklayers. "You needn't trouble to bring it up!"

pends more on line than trimming. A shape seen frequently is wider at the sides than front or back. Distinctive ornaments noted were a single cut steel wheel at the front of one and rosettes of cire ribbon, edged with silver lace, at the sides of another.

Duvetyne in its soft, exquisite colorings makes an entrancingly lovely hat. One in honeydew is embroidered in long pearl beads. Another, in Harding blue, has a wreath of laurel leaves about the crown in green, orange and black.

A model, extreme, but chic and individual, is a small, close shape with a coronet effect of sparkling jet. It has two long chin straps of huge jet beads. Beads, by the way, are much used as trimming. They cover whole crowns or turned brims. Fish scale beads are

glitteringly new. A flat, square, iri-descent bead in one or two rows is seen on many hats. And white beads on black felt follows the Paris idea of black and white.

It is doubtful if any shape is more universally becoming than the slightly rolled brim. It is shown this season in a delightful variety of finish and underfacings. The roll brim sailor of hatter's plush in black or seal brown is a distinctive complement of the dying branches, and a great growth of tailored costume.

skirts and hip length bodiecs, or flat skirts and side draperies, the fabrics of the new season would be supple. Too heavy pruning of the top will For this reason crepe in its various cause wood growth. By proper prunmanifestations remains the choice of ing the trees will be invigorated and the majority of those who design errors of former years will be recticlothes. Not much velvet was shown fied. in the recent collections, surprising as it may seem, but metallic brocade held its place of power for the evening and also for bodices which were joined to cloth skirts. Serge has something of a fling this season, but it is not demurely treated. Steel beads and other devices to attract attention are used. The combination of serge and satin has passed into the discard. Little braiding is seen. Fur is used for bands when bands are needed. And fur is simply treated. It is no longer tortured. Neither metallic embroid-

ery nor figured impressions dent its supple surface.

picture frocks for young girls. The Dresden figurine coloring does not appear; a bold design of bright small flowers on a black background is used. For adults, taffeta, it appears, is dismissed. Satin has not much chance for popularity. It even gives way to soft silk as a foundation skirt. Georgette crepe is used in a lavish manner for evening gowns, when splendid ferent conditions. The best way to beading or crystal work forms the conspicuous feature of the frock.

Probably the thing that attracts the lasting attention of those who suddenly see its importance is the tight As he passed the scaffolding a brick hip line formed by a girdle of gor-fell, striking him on the shoulder. Looking up to the men who were on most frocks, and on all frocks there an advantage in a dressing of one part two stories high, he shouted indig- is a lowered waistline which is invent- acid phosphate, ground bone and murinantly: "Hi, up there! You've just dropped a brick on me." this that hits one between the eyes with the full conviction that the ankle skirt is here, not only for the minority, but the majority.

that might be foul with weed seeds, as is often the case with some manures.

In the fall of the year, when the ground freezes sufficiently hard to bear the weight of a wagon, mulching should be done. Should the ground be covered with several inches of snow, the straw may be placed on top, and this will prevent the snow from melting. Snow makes an excellent mulch so long as it does not melt.

A calm day should be chosen for the work so that the light litter may not be blown away, and it will be all the better if cornstalks or manure be thrown over the bed to keep down the mulch.

The mulch should be spread to an equal depth in all places, not necessarily more than an inch or two, just enough to hide all the plants.

An overplanted orchard will result in a rapid deterioration of the trees. They should be thinned out before the branches begin to touch. Trees will not thrive in a wet soil and this should be avoided by draining or the ground will sour. In the latter case lime should be applied.

An orchard will sooner or later wear out where there is not proper pruning. Unsymmetrical heads, dead or water-sprouts will be the result. It should be the aim to correct such de-It was easy to guess that with full fects, to permit the entrance of air

Too heavy pruning of the top will

It is well to remove all the watersprouts, as some of them if carefully selected will help to form a new top and take the place of the decayed and old limbs. In cold climates heavy pruning should not be done until late winter or early spring, after severe weather is past. The wound should be made as near the tree trunk as possible and parallel with it. In order to prevent decay, the large wounds should be painted.

When old trees are in an unthrifty condition or "hide bound," the bark becomes shaggy and insects and fungi are harbored. Such trees should be Taffeta is rarely shown except in immediately scraped and all the dead and dying branches removed and burned. Cankers, gummosis, dead spots and borers and other wood troubles should be cut out.

There is very little plant food in worn-out orchard lands, and they should be supplied by stable manure, cover crops, potash and phosphoric acid in varying quantities to suit difsupply nitrogen is by an occasional cover of clover or vetch.

Stable manure will improve the physical condition of the soil as well as to furnish plant food. Where niate of potash at the rate of 1000 to 1500 pounds to the acre. It is important that these fertilizers be varied in accordance with the age, soil and vigor of the trees.