THE KNITTERS.

One day I chanced to happen in Upon a fine hotel, A very goodly company Within its walls did dwell. I saw them playing on the links And on the putting green; The girls in coats of many hues, It was a pretty scene. A sound of music filled the air;

Unto the porch I went, And then I saw the women all Upon some work intent. Each in her lap a work-bag held, All filled with colored wool,

And now and then from out it came A paper with some rule. And everywhere, indoors and out, I saw the women sitting; I asked what 'twas engrossed them so

The answer came, "they're knitting." They knit all through the morning hours And scarcely stop for tea, And even in the dining-room Their needies oft you'll see. At evening, when the ballroom's gay, Around the wall they sit,

And while the merry dance goes on They knit and kniit and knit. And even at their games of bridge (Now this I call quite funny), They keep their work-bags close at hand To knit while one is "dummy". And when unto their rooms they go,

If you could only peep, I haven't doubt you'd find Them knitting in their sleep. They chatter, chatter as they knit, While seams they bind together, And guests may come and guests may go

But they knit on forever.

"FASTER THAN THE FASTEST PONY."

Sunday morning, June 25, 1876,—the centennial year,—broke brilliant and cloudless over the Bighorn Range and all the adjacent Indian huntinggrounds. If ever the heavens spoke of peace and good-will toward men, it was here and on this perfect day. Away to the east, along the Atlantic seaboard, the church-bells were calling to early worship. Here, halfway across the continent, with Cloud Peak towering, a dazzling white sentinel, over miles upon miles of glorious landscape, there reigned impres-

sive Sabbath silence. It was barely five o'clock—"mountain time." It was still deep shadow among the cotton-woods in the winding ravine, where a dozen brownedfaced, bearded men stood eagerly watching the movements of two of breed scout, were slowly, cautiously chieftain startled him with his abnearing the crest of the eastward rupt announcement. bridge. The arms and accoutrements, not the dress, the saddled horses grouped in the shelter of the sandy stream-bed and guarded by other doz-ens, told that there was a scouting party of United States cavalry. The fact that not a whiff of camp-fire tale: faintest error would betray them.

"Shut up, there!" Men use terse language on an In-

dian campaign.

Presently the half-breed reached a point wh nce he could see the widespreading country beyond the ridge, and lay there prone. Then the two followers crept up on line with him, and bareheaded, unslung their fieldglasses. Then from a swale, or hollow, midway, there suddenly appeared or so, then as suddenly halted, knelt

And then, without moving the glass from his eyes, the elder of the two officers, after long survey, drawled in

Not a blessed thing in sight." But the younger, laying a hand on his senior's arm, then pointing far to the south-east, answered:

"It" was the broad trail from the Red Cloud Reservation, near the south-east corner of Wyoming, along which, by hundreds, the young braves of the Ogalalla, Brule and Minnecon-And Blind a jou bands had for weeks been flocking to the support of crafty old Sitting Bull in the far northwest. And "it" was what a veteran cavalry regi- story faster than the fastest pony."ment had been called up from Kansas and sent by General Sheridan to find. When they had found "it" they were to "break up the business." Other veteran regiments under General Cook were hunting for Sitting Bull along the northeast base of the Bighorn, others still, under General Terry, were marching to hem him in from the northeast, and vet another column, under General Gibbon, was

closing in from the west. It was a powerful combination in point of numbers. It might have succeeded-but for one fatal move.

"Well, there'll be no more joining S. B. by this route," said the younger officer, turning and pointing straight to south, where, long miles away, a dust-cloud was rising over the divides and ravines. "Yonder comes the reg-

"I know," was the answer, as the elder turned and gazed thoughtfully away north-westward over intervening miles of silence to where the wooded crests of the Cheetish barred the horizon, "but I wish we knew

what was going on up there-today.' Not until nearly fourteen days thereafter did we know, when, with the Seventh Cavalry wiped out."

For that beautiful, peaceful Sabbath was the fatal day-and Custer's Glee Club Contest, March 3.

All the nation knows the story now, although not until the morning of Juman" it's true.

ly 5th was it flashed by wire all over the land. In profound ignorance of what had happened were the govern-ment, the press, the bereaved sister-

one old Mendota Sioux had told his of modern times. staunch friend, the adjutant at Fort

es or smokes by day and fires by freight trains. The loss of time and night—had done it all. The incident is recorded and vouch-

man's own story of the affair, told have been avoided and the time of the me the first long years ago, and repeated in writing for me only a few to connect the brake levers of each old Indian bore, and blind he was, and for that reason, perhaps, more dependent than his fellows upon paleface friendship. They lived at Mendota, a large band of Sioux, peaceable since the lesson given them in 1862, but doubtless sympathetic with their savage tribesmen on the far frontier savage tribesmen on the far frontier. better could be invented. But Mr. Blind had learned that food and kind- Westinghouse would not be discour-

over at the fort.

only two days before he had seen him safely across the south shore of the Minnesota,—The St. Peter of terriburgh. He had no money to finance torial days, and with him went a the proposition, but he found a man stout bag of bread, beef and coffee, who was willing to defray the cost of and sugar in abundance, enough to keep the old fellow in comfort until mid-week. Yet here he was again, and two hours earlier than usual, and the summer of 1868. Officials of the quivering from intense excitement. Rodman's first thought was that Blind had met foul play—had been robbed of his treasures. But Indians do not rob their own people. They have not yet achieved all the customs of similarities the place of the plant the customs of similarities and serious training the content of the plant the customs of the plant watching the movements of two of of civilization. Before the adjutant their number, who, following a half-could question the old son of a Sioux

sign, Blind burst impetuously into his wonderful invention was proved.

stone) and Greasy Grass (the Little saved. here he ceased, fairly shaking from

emotion. column, commanding two fieldpieces, yet such was Rodman's incredulity that he thought only of how to soothe the old Indian. This took all of his persuasive powers, for Blind made it

and told to repeat his story, and then

asked this question: "How on earth could all this have ty-eight hours before the telegraph

And Blind answered, "Indians have no lightning string. Indians use Indian runner, mirror flash, fire arrow

at State College.

State College, Pa., Feb. 28 -A sixplanned for the department of horticulture at the Pennsylvania State Col- gling in a few weeks later. The new orchard, supplement to be established to enable students in the various horticultural courses to obtain practical instruction in modern

methods of fruit growing. According to the plans of Dr. S. W. Walked hurriedly to his garage on a for clothing during the coming spring Fletcher, head of the Horticultural department, the State College orchard realize that his movements were stordue to the scarcity of wool and linen. partment, the State College orchard will be planted to apple, peach, pear, plum and other tree fruits. Small fruits, strawberries, raspberries and grapes will also be planted. A large packing house is to be part of the

equipment. Glee Club to Make Records.

State College, Pa.—The male quartet of the Pennsylvania State College using a metal squirt can-probably of Glee club has arranged with the Edi- copper, which is a good conductor of his face pale with grief, our chief son Phonograph company to sing sescut and trusted friend, "Buffalo lections for several records. C. C. so close to the motor that a spark was coal in the soil, North Dakota is not coal in the soil. Bill," startled the drowsy camp with Robinson, Penn State's musical diproduced between it and the priming the directul news: "Custer and half rector, will have his club sing for the cup, igniting the gasoline. The can records while they are in New York exploded, throwing the flaming liquid city for the annual Intercollegiate over both man and car. The man escity for the annual Intercollegiate

-If you find it in the "Watch-

The History of a Great Invention.

The history of inventions which have blessed the world is replete with 240 years of intensely interesting lo-

Bismarck at dawn of the 5th, had an It has been my privilege frequently inkling of the truth reached the peo-ple of the States.

to visit the great manufacturing plant taken by the faculty and student body of the great University of Notre le of the States.
Yet as far east as St. Paul and the wonderful processes of manufac-Minneapolis the Indians knew, and ture of many devices and inventions the Order of Red Men of Mishawaka

ed his informant a dreamer-or a liar. plied to all the cars of a train came He was stunned three days later to in this way. He was traveling be-Westinghouse that if the engineers of ed for in the army text-book, Colonel Wagner's "Service of Security and Information." But here is Colonel Rod- of their trains, the accident might faces into the aborigines of the forness and welcome ever awaited him aged and was more determined than ever to carry his ideas through. He Blind had gradually attached him- was a young man at this time, worksquatting in a certain corner of the little army parlor, patiently awaiting the coming of his friend and the cheery greeting, "How, Kolah!" Rodman had even learned to talk a little in the Sioux tongue, and to supplement this with some practice in their wonderful sign-language.

St. Ignace, Upper Michigan.

Another scene of the mournful splendor was "The departure of the through 3,000 feet of pipes. This was the depth of the tunnel at that time, the United States government had any casual eve. Resides to get trees of the dwarfing stock dedesired. This is a distinct detriment, for a half-dwarf tree, where a true couple of pieces of another variety. After you have given them all a coat of the same paint and made chintz the United States government had a higher price per tree than standard. Usually dwarf trees sell at a little in the Sioux tongue, and to supplement this with some practice in their wonderful sign-language. self especially to the adjutant, and from having been first led to the adjutant's quarter, had taken to groping his way hither, unled, unbidden, yet count of the tunneling of Mount St. Ignace, Upper Michigan.

The weeks of reed turnitude is resembled to the subject of reed turnitude is resembled to the subject of reed turnitude is resembled to the adjutant, and in his 38th year, died a few ally the most attractive for verandas, weeks later near St. Joseph, while trying to reach his headquarters at St. Ignace, Upper Michigan. wonderful sign-language.

This day, Monday, July 3rd, he had not thought of Blind's coming, for States Patent Office to protect his in-

what was odd indeed in any Indian, Pennsylvania and Panhandle railroads were invited to inspect and witlocomotive and four cars.

Upon the first run of this train, the engineer, on emerging from the tun-nel near the Union Station in Pitts-Speaking hurriedly, dramatically, burgh, saw a horse and wagon standin his native tongue, using as far as possible only those words he knew his ous application of the air brakes prefriend could understand, but accompa- vented what might have been a sernying every other with an expressive ious accident, and the value of this

The air brake started from this smoke could be seen, although the night had been spent here in a bivouac, that they were in the heart of a colored, participated—French, English, Irish, Dutch, Belgians, Scotch, between marching days) up Elk Rivouac, that they were in the heart of a colored, Danish, Italians, Russians, colored, Danish, Italians, Russians, savage enemy's country, where the er (the Sioux name for the Yellow- and much valuable property have been

Mr. Westinghouse has added great When one young trooper broke into a nervous chuckling laugh, the lieutenant left in command turned sharpdains all know, Indians dancing, now an immense train of 100 steel ly upon him, with the order, low and singing now (pointing to where Mencars, heavy loaded, can be taken over dota lay, perhaps two miles straight the highest mountain, and safely away South.) More soldiers going—handled by the automatic air brakes. More battle soon—any day!" And A diplomat in Washington, D. C.,

in speaking before the International Congress, said that he felt safe in Now an officer of Rodman's own saying that the air brake had saved regiment had gone with Terry's own more lives than any general had ever lost in a great battle.-Ex.

Bird Life in Alaska.

Persons with a fancy for ornitholoa little line of slouch-hats and flannelshirted backs, as a supporting squad
of troopers ran forward a dozen rods

Mendota; whereat Rodman only smil
Telsons with a faitty for ormanents. The man who
gy may be interested in the fact that
Alaska has few birds in winter aside
from grouse and the innumerable
to fashion molders. The man who
gy may be interested in the fact that
an outbreak among his fellows at
from grouse and the innumerable
to fashion molders. The man who
gy may be interested in the fact that
an outbreak among his fellows at
from grouse and the innumerable Mendota; whereat Rodman only smiled, and finally sent him home.

But on the awful morning of Wednesday, when the telegraph broke the news, and the "extras" down from Minneapolis and up from St. Paul later gave the official details of the later gave the later gave the official details of the but seldom later. Ducks are fully as use is no longer indorsed by the taiand beloved comrades,—the army was smaller, then,—old Blind was sent for they also migrate South. For some wear a scarfpin with a soft collar, him out of the room. reason an occasional duck winters in they assert. Alaska, but a goose never. Most of the birds which nest north of the Cirlized as one of the fashion centres of reached you Indians at Mendota for- cle spend the rest of the year in South the country, according to Thomas America, some, like the Alaska nighthawk, going so far as the Argentine, while the tern is not satisfied until he reaches the Antartic regions. This means that most Alaska birds travel dressed as any city in the world," said annually, coming and going, from Mr. Fern. "In fact, Philadelphia is -fire and smoke. Indian tell that annually, coming and going, from 14.000 to 20,000 miles, not counting the distance covered in side trips for Huge Commercial Orchard Planned way. From the middle of May until the first of July the birds return to Alaska in countless myriads, those which travel both day and night arty acre fruit farm with the complete riving first, while the observers of equipment of a commercial orchard is union hours who fly exclusively on either day or night shifts, come strag-

Garage Fire.

When a resident of Dubuque, Iowa, wearing a fur coat, and rubber boots, ing up a dangerous amount of electricity in his body. But the fact was that the friction of his arms against the coat caused a certain amount of static electricity to be generated, and this was stored in the man's body because it was insulated from the by Russia entering the war, said Mr. ground by his rubber boots. When he Fern. Russia, he said, raises a great with a mixture of gasoline and ether, electric current—the can was brought caped with severe burns, but the car and garage were completely destroyed-From the March Popular Mechan-

Pageantry, a Civic Pastime.

The South Bend pageant condensed hood at Fort Lincoln, praying for the safety of loved ones who had been stripped, scalped, mutilated long days before. Not until the Far West, her decks laden with wounded, reached history of his air brake for railways.

In a brake blessed the world is replete wall and the stripped with stripped, scalped, mutilated long days before. Not until the Far West, her famous inventor, recently gave the history of his air brake for railways.

In a brake blessed the world is replete wall and the stripped wall in the learn of the stripped with stripped, scalped, mutilated long days before. Not until the Far West, her history of his air brake for railways.

In a brake blessed the world is replete wall and the stripped wall in early priests and missionaries were Dame. Five hundred Indians from of modern times.

and South Bend, led by a score of real boiling water on it. Then take an old Mr. Westinghouse said that his first Sioux warriors from South Dakota, stocking (this is better than anything Snelling, who for the first time declar- idea of a braking apparatus to be ap- staged a thrilling fight of 1676 between the Iroquois and Miamis, traditional enemies. Ladies from the find it all true. The marvelous sys- tween Schenectady and Troy in 1866, auxiliary Order of Pocahontas dressed tem of signals by which the Indians and was delayed for two hours as a and painted as squaws, and the rushed important tidings—sun flash- result of a collision between two youngsters became Indian children. All other episodes were staged by lothe inconvenience suggested to Mr. cal clubs, military, societies, schools, lodges and individuals. Five make-up artists from the Chicago Grand dry. Then wet the cloth again and Opera company transformed the pale

nothing gave a more powerful tug-careful to brush out the whole of the ging at the heart-strings than the ammonia water before drying. Boting heavily on a guide, with two com- much to transform your porch furnibut doubtless sympathetic with their up the idea, telling him that nothing panions following, carrying his ca- ture. If you have no comfortable noe. They stop to rest, then pursue chairs for piazza use, do buy one or their slow journey to the landing, followed by the searchlights, while the pieces, but be sure they are comfortaband intoned the mournfully pathetic "Angelus" of Massenet. Marquette,

bowed heads and broken hearts slowly took their departure in seemingly countless numbers. The gorgeousness of Indian costumes, from chiefs who led, to the squaws bringing up the rear, presented a scene of aboriginal tribal splendor never equaled in will be found most effective. American pageantry. Under the wonderful effects of search and spotlights ing of Mishawaka, the growth and is made into slip covers they can be development of the two cities, with a wealth of local incidents and celebri-

present. One of the most significant features in the South Bend celebration, in addition to the folk dances of all nations at the daily band concert on the court-house plaza, was the pageant of nations. In this 15 nationposited their native country's flag, took up the Stars and Stripes and marched on singing "My Country, 'tis of Thee." It was a polyglot transformation sermon that thrilled. -March "Popular Mechanics."

Accessories to a Gentleman's Dress.

wears gold ornaments is only giving fidences.

Fern, who maintains an elaborate merchant tailoring establishment at

No. 1307 Waltun street.
"The men of this city are as well looked upon as being one of the few style centres of the American continent.

A trench coat, planned and executed by Mr. Fern, attracted considerable attention at the show of the tailors' convention. This garment was pro-nounced the finest of its kind on exhibition. The coat was made of Oxford gray cloth. Great lapels and a deep collar gave it a military air. It has a belt back, and the skirt hangs ing the present experimental tracts, is Spark From Man's Body Causes freely from the hips. Mr. Fern also exhibited a dress suit, a tuxedo and a double-breasted sack suit.

Like other tailors at the convention, Mr. Fern predicted higher prices for clothing during the coming spring Since Belgium was overrun by the Germans, said Mr. Fern, the linen industry in that country has been practically at a standstill. The same condition is true of Ireland, he continued. The linen business also was hard hit by Russia entering the war, said Mr. sought to prime the motor of his car amount of flax, but with the beginning of hostilities the industry was paralyzed.

-With 700,000,000 tons of lignite experiencing any fuel shortage. Lignite, which is now used almost exclusively for domestic, commercial and Western North Dakota, sells from \$1 at the mine, in carload lots, to \$3 the wear rubbers. ton, placed in the individual consumer's bin, a ton at a time.

FOR AND ABOUT WOMEN.

DAILY THOUGHT

There never was a contest of which woman did not sit at the springs, so is she the source of all super-human efforts exhibited by men .- George Meredith.

There is nothing better for cleaning shiny serge than ammonia if used in the right way. First brush the clothes well; then take a lump of ammonia, which can be procured from the druggist, and pour one pint of boiling water on it. Then take an old else, dip it in the ammonia water and rub it backward and forward on any part of the suit which is greasy or shiny. Then wash off with clean, hot water, using a brush. The suit should then be hung out to dry in the shade. When ironing use hot, but not boiling, water to wet the cloth. Lay it on the iron lightly the second time. Do not dry the cloth when ironing the second time, as it is this treatment which in the wealth of scene and story gives it the dull, new finish. Be very clean the suit properly.

> You women who live in the country will find that a can or two of paint are facts that appeal rather strongly and a bolt of pretty chintz will do to the amateur grower, but they have ble and have pretty lines.

The wicker or reed furniture is re

rations.

If your house is white or gray you will find that green porch furniture will look best. Give all the chairs, will look best. Give all the chairs, or to winter killing.

The union between stock and scion

It may be wisest to have a cheap upholsterer make the seat cushions they disappeared in the far distance.
Their camp fires which flickered on the great field of woods and shore died out, and we came back to earth

Then you can yourself make the seat cushous and backs if you are afraid to tackle so tricky a job. Have them made with some white goods as a cover.
Then you can yourself make slip covagain to realize that it was not fic- ers of the chintz for them. The reation but a cruel injustice in our last century's history. And then on down through the 19th century the down through the 19th century the episodes marched, showing the first settlements, the burning and rebuildig made into slip covers they can be dwarf trees are easily blown over, particularly when heavy with fruit; they suffer more from drought than

ties, bringing the story down to the present.

cept white or gray, brown porch furtivated to conserve the moisture beniture is prettiest. So you can paint cause of the shallow-rooting habit; in your furnishings brown and use almost any gayly colored, pretty bright leading to lessened vitality of the tree, chintz for cushions.

mind: Don't consider it necessary to sys- from cuttings or layers. Swedes, Germans, Filipinos, Hungarians, and Polish. While the band not mean it, but the child will not, and it has been found impossible durplayed their national airs in turn, they marched by Miss Columbia, guarded by the Army and Navy, degree of their national airs in turn, and probably more characters are under the played their national airs in turn, and probably more characters are under the played their national airs in turn, and probably more characters are under the played their national airs in turn, and probably more characters are under the played their national airs in turn, and probably more characters are under the played their national airs in turn, and probably more characters are under the played their national airs in turn, and it has been found impossible during the ten years to find a method and denote the played their national airs in turn, and probably more characters are under the played their national airs in turn, and probably more characters are under the played their national airs in turn, and probably more characters are under the played their national airs in turn, and probably more characters are under the played their national airs in turn, and probably more characters are under the played their national airs in turn, and probably more characters are under the played their national airs in turn, and probably more characters are under the played their national airs in turn, and probably more characters are under the played their national airs in turn, and probably more characters are under the played their national airs in turn, and probably more characters are under the played their national airs in turn, and probably more characters are under the played t than by the vanity which follows the the one hand, the results for which

are alone with your boy or girl you fruitfulness-do not always follow; must find fault or endeavor to im- and, on the other hand, positive harm it. This is the hardest don't of all, an after-effect, and which nearly alfor no one is so anxious to help a ways succumbs the following winter. Before winding up their affairs the child toward perfection as is the par-

> Don't correct the child before oth- conditions demanded; and the trees ers. Never mind if a well meaning were sprayed whenever necessary. alone. If the circumstances are such severe trimming of the trees at set-

> Lastly, laugh often with, but never at, your child. This takes self-denial, whatever others may say, he can depend upon you for a quick, sure understanding, without quibble or joke at his expense. This does not mean that he must not take his share of harmless fun. It is wholesome, and too much sheltering would make him over-sensitive; but the mother who lets her child know that she never upon it .- Nella Foss Ford, in "Moth- small from these incidental perils of er's Magazine.'

> When frying eggs place a cover over the frying pan. This cooks the egg evenly and without turning. Poached eggs should be done the same the result; and the surface-rooting behit caused an unexpected number of way.

Apple parings and cores should be stewed to a pulp and then strained. This will make a jelly which, spread on apple tart, will greatly improve it. It can also be used for flavoring tapioca pudding.

Orange peel and lemon peel may be used for flavoring sauces and stewed fruit. They can be dried and kept in a glass-covered jar until used.

If potted cheese gets crumbly dry in the pot, mix into it a table-spoon of boiling water and, have the spoon hot before measuring the water. Mix thoroughly and the cheese will be freshened and improved.

Put the shoe on the last, take a flatiron not too hot and a piece of wax; cut it in chips, put the wax on the sole of the shoe, then iron the sole with the wax on it; put enough wax on so it will be all soaked in the leather. industrial purposes in Central and Western North Dakota, sells from \$1 serving your shoes when you don't

-Put your ad. in the WATCHMAN.

FARM NOTES.

After making a 10-year test in three orchards, that differed considerably in climatic and soil conditions, the New York Agricultural Experiment Station has concluded that dwarf apple trees are not to be recommended for the professional grower.

In these tests the station found that while there is a possibility of the dwarf trees bearing a little earlier than the standard trees of the same varieties, the amount of fruit so produced is too small to make the difference in bearing age of the two classes of trees of commercial value. Ten years, however, is a rather short period in testing productiveness

thoroughly, but, nevertheless, there were no indications during that test that pointed to the possibility of a larger number of dwarf trees on an acre yielding more fruit than the proper number of standard trees. Another fact against the dwarf system was that the fruit was no

larger, handsomer or better flavored than that of the full-sized trees of the same kinds. In favor of the dwarf trees it may be said that their small size makes it tled ammonia is not strong enough to possible to grow more trees, and, consequently, more varieties, if desired,

on a given area, besides being more ornamental than standards. no commercial value to the professional orchardist.

Growers of fruit for market find several objections to dwarf trees that forbids their adoption. There is great confusion in apple stocks in this country, as well as in Europe, and it

The union between stock and scion is not as good with dwarf trees as with standards, consequently more dwarf trees break off and are lost. To maintain the trees as dwarf require watchfulness and labor, since the scions frequently throw out roots if the union is at or near the surface of the ground. These roots must be removed or the trees quickly cease to

be dwarfs. The rooting system of dwarfing stocks is relatively shallow, which results in several disadvanatges: The do the deeper-rooting standard trees, If your house is any other color ex- and they cannot be so thoroughly culcause of the shallow-rooting habit; in to ready entrance of disease and to the formation of suckers, a vexatious A few dont's might well be con-spicuously posted in many a mother's is due also, no doubt, to the fact that dwarf stocks are usually propagated

silly bragging of overfond parents.

Summer pruning is done—maintenance of dwarfness and promotion of prove the occasion by a little moral- often results because of the weak, izing, no matter in how loving a spir- sickly second growth which often is

In these tests clean cultivation, tailors, at a convention in Philadelphia recently, handed out some advice on ornaments. The man who wears gold arrayments is only giving throughout with slight changes, as

pruning was not unlike that of standards, though more heading back was but it pays. Make up your mind that needed to restrict the size of the trees. Summer pruning is a necessity in the successful culture of dwarf trees, but no satisfactory system was developed by a series of experiments in the three orchards extending over ten years in time.

The unual orchard mishaps occurred, like failure of trees to grow, girdling by mice, injury by stray animals, makes fun of him will be surprised at death from blight or from unknown the confidence with which he relies causes, but the percentage of loss was all orchard culture; but it was large from those apparently due to the dwarfness of the trees. Many trees habit caused an unexpected number of deaths and failures. At the end of the tests the number of missing or replaced trees was quite too large for

profitable orcharding.
Contrary to what has been generally claimed for dwarf trees, ten years from bud proved too short a time to give satisfactory data regarding productiveness. This is in part, undoubtedly, due to the whip-pruning of trees at setting, the severe pruning necessary later to secure good heads, and the experiments in summer pruning.

There is no question but that the

eye always favors the dwarf trees. Such trees are seen loaded with fruit, and the conclusion follows that they have come in bearing earlier and are more productive than larger trees which really bear more fruit, either per tree or per acre, though seeming to carry less. Dwarfs are much more spectacular than standard treeshence, in part, their reputation for early and productive bearing.

Colorful, Ooo.

Dots, immense in size, appear on