

#### CHAPTER X.

On May 28, for the first time, the sun never set. The glowing dist just touched the boundary line of the horison, and rose again immediately. The period was now entered when the day insta twenty-four hours.

Next morning there was a magnificent halo; the monarch of day appeared surrounded by a luminous circle.

The doctor recommenced his sowing for he had plenty of seed, but he was surprised to find sorrel growing already between the half-dried stones. and even pale, sickly heaths trying to show their delicate pink blossoms.

At last it began to be really hot weither. On the 15th of June the thermomenter stood at 57 degrees above 意志でも

By the middle of June the sloop had made good progress, and Hatterns, Altamont and the doctor went hunting.

The three hunters, accompanied by Duke, set out on Monday, the 17th of June, at 6 in the morning, each man armed with a double-barreled gun, a hatchet and snow knife, and provisions for several days.

About noon of the second day they sighted two ferocious musk-exen, and surrounded them on a plateau.

The ozen had begun to shake themserves impatiently at Duke, trying to kick him off, when Hatterns started up right in front of them, shouting and chasing them back.

This was the signal for Altamont and the doctor to rush forward and fire, but at the sight of two assailants. the terrified animals wheeled around and attacked Hatteras. He met their onset with a firm, steady foot and fired straight at their heads. But both his and a stock of firearms. Including the bullets were powerless. They rushed upon the unfortunate man like furies, about 1,500 pounds weight a heavy and threw him on the ground in an instant.

"He is a dead man'" excisimed the doctor, in despairing accepts.

in Altamont's breast at the sight of his prostrate foe, and though his first failed them, they could always fail impulse was to hasten to his help, he stopped short, batiling with himself ney without fatigue to men or dogs. and his prejudices. But his hesitation scarcely lasted half a second, his better and it was resolved to devote the enself conquered, and exclaiming. "No. it tire day to rest. would be cowardly!" he rushed forward with Clawbonny.

his rival felt, but would rather have died than have begged his intervention. However, he had hardly time to think about it, before Altamont was at his side.

He could not have held out much longer, for it was impossible to ward off the blows of horns and hoofs of two such powerful antagonists, and in a few minutes more he must have been

's almost more than I can bear? Tou lave sacrificed this miserable nationallfy for the asks of the common cause. You have said, "What does it matter d only the pole is discovered, whether it is by Englishman or an American? Why should we brug of being American or English when we can boast that we are men"

The good little man was beside himself with joy. He hugged the reconcilled enemies to his bissom, and cemented their friendship by his own effection to both

Calming themselves the men cut up the over and made their way back to camp. At supper the doctor said: "My dear old Johnson, I took out an

American and an Englishman with ma. 法法法财务 医开

"Yes, Mr. Clawbonny."

"Well. I bring back two brothers." This was joyous news to the sallers, and they shook hands warmly with Altamont; while the doctor recounted all that had passed, and how the American captain had saved the English captain's life. That night no five happler man could have been found than those that hay sleeping in the little KDOW-DOUME.

Bell completed the sloop; the ice beran to break up.

A trial was made to Cape Washingion. This short sail of six hours suf-Sciently proved her excellent qualities

On the 25d of June, Hatterns began to load the sledge. They put in 200 pounds of salt meat, three cases of vegetables and preserved meat, besides lime juice, and flour and medicines. They also took 300 pounds of powder sloop and the Halkett boat there was Bos.d.

However, the distance to the pole was not 255 miles at the outside, and as they did not intend to go more than A tremendous struggle was going on Inclue miles a day, as they could do it comfortably in a month. Even if land back on the sloop, and finish the jour-

On Sunday, the 11d, all was ready,

They retired early to rest, for they needed to be up betimes. So passed Hatteras full well understood how the last night in Fort Providence.

## CHAPTER XL

Next day at early down, Hatterns gave the signal for departure. The well-fed and well-rested dogs were harnessed to the sledge. They had been having a good time of it all the winter, and might be expected to do good service during the summer.

It was at 6 in the morning when the torn to pieces. But suddenly two shots expedition started. After following the

#### ered was it with cones and sharp, setty T-BA.RM.

A strong breeze from the southeast was blowing, which soon increased to a hurricano, sweeping over the rocks overed with snow and the huge massas of ice, which took the forms of icebergs and hummorks, though on dry Sec.8.

On all sides nothing could be heard but the noise of cracking ice and falling avalanches.

The travelers had to be very careful in avoiding hills, and even in speaking aloud, for the slightest agitation in the air might have caused a catastrophe. Indeed, the suddenness is the pecultar feature in arctic avalanches, distinguishing them from those of Switzerland and Norway.

Often the dislodgement of a block of ice is instantaneous, and not even a more value in yoal ashes than is ger cannon ball or thunderbolt could be arally realized by the farmer. For the more rapid in its descent. The loosen- amelioration of heavy clay land they ing the fall and the crash happen al- are exceptionally valuable. This is most simultaneously.

Happily, however, no accident befell any of the party, and three days afterwards they came to smooth, level ground again.

such an exceedingly dense fog that it beds contain phosphorus, potash, nitrowas very difficult to keep the straight goal and lime, as well as the other less course for the north. No missdyenture, however, hefel the party during inal trees out of which were formed the durkness, except the loss of Bell's the coal beds were reduced to coal the anodiewocca

ontrived made of tow steeped in spir- go with the ashes. its of wine and fastened on the end of a stick and these served somewhat to help them on, though they made but small progress; for, on the 6th, after the fog had cleared off, the doctor took their bearings, and found that they the old days and thus the percentage had only been marching at the rate of of other elements to carbon is probeight miles a day.

time, they rose next morning very ear- but does not annihilate the value in ly and started off, Bell and Altamont the coal ashes. Ashes can be used to as usual going ahead of the rest and advantage without sifting, but large acting as scouts. Johnson and the others kept beside the sledge, and were some considered a detriment to the soon nearly two miles behind the guides; but the weather was so dry and clear that all their movements could be distinctly observed.

Storms blew up again and the tent was pliched in a ravine for shelter, as play from the sow, unless one or two the sky was dark and threatening. and a violent morth wind was blowing. "I'm afraid we'l have a bad night." said Johnson.

plied the doctor, "but not cold. We smallest with her for several days, had better take every precaution, and and after that leave only one for two fasten down our tent with good big or three days more, by which time the STODER.

the hurricane swept away our tent. I don't know where we should find H again."

possible, for the tempest was led loose and raged with tremendous violence, them more nearly on an equality in

during a brief full in the deafening burn's "Swine in America." roar, "as if I could hear the sound of collisions between loebegs and loe fields. If we were near the sea, I could really believe there was a gen- been using an ing eral break up in the los."

"I can't explain the noises any other to him by the fac way." said Johnson. "Can we have reached the coast?" I



#### Coal Ashes Are Worth Saving.

In many sections of the country coal is the principal winter fuel used by farmers and a large quantity of ashes result which are usually looked on as waste, but an authority says there is the fleece. If the ticks are present at particularly so with the ashes of soit comi, as such usually are reduced almost to a dust. Coal ashes have a Sartilizer value. This opinion, how-On the Fourth of July there was ever, is not held generally. The coal important ingredients. When the origmineral elements remained in them,

an ides that coal ashes contain no ferulity is that the trees now grown have in them less carbon than those in ably greater now than then, which Determined to make up for lost gives a larger value to our wood ashes, guantities of half-burned coal are by

#### Good Hog Sease.

It is not a good plan to take all the of them can be turned with her some hours after, to draw the milk she will have at that time, and again, say after a lapse of twenty-four hours. The pre-"A pretty noisy one, I expect," re- ferred way is to leave about two of the "You are right, Mr. Clawbonny. If nally diminished that no injury will fow of milk will have been so gradresult to the now by keeping them ADtirely away from her. This extra sup-The tent held fast, but sleep was im. ply of milk helps also to push the smaller pigs along in growth and put

"It seems to ma" said the doctor, size with their thriftler mates -- Co-

#### A Convenient Calf Trough. A farmer near P

feeding his calves.

Paullina, Iowa, has	He used to rise at half past four,
penious method for	And milk and hoe and plough;
It was suggested	He doesn't do so any more,
of that he wood a	He's counting money now.
ct that he used a	

#### The callouses upon his hands 1111111 Were softened long ago

sponding letters above.

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## AMERICA'S TIMBER MIN

Dipping Sheep Effectively.

the mixture will be uniform.

from getting to the lambs.

Heavy Seeds Give Best Plants.

MINIMI INVITAL

many of which will tail to mature in

an unfavorable season. A sudden

change in temperature, a prolonged

drought or a slight frost is more like-

ly to destroy the weak plants than

the strong. The increased yield at har-

resting time is quite a consideration.

In the illustration the heavy and light

samples of barley A B C and D pro-

duced plants as indicated with corre-

The Farmer.

He used to wear his pantaloons

He used to sing outlandish tunes

Inside his muddy boots;

And dress in misfit suits;

MANNAM

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To rid sheep of external parasites or One in New Jersey in Op the scab mite they should be dipped in More Than One Hundred You some effective dip. Coal tar dips are The wood mines of upper 1 effective, noupelsonous and do not China, are not any more curles ordinarily injure the wool. They are a wood mine that has been is a therefore considered among the best. tion in New Jersey for more na Before using all dips should be tested. years. This mine is at Denning Mix one teaspoonful of dip with fifty the swampy region of south Ne to seventy-five of water, according to to seventy five of water, means or bed sey, and yields cedar such as directions. Wrap a few ticks or bed sey, and yields cedar such as bugs in a gauge and dip them in this nowhere on this continent today bugs in a gauge and dip them. Then fallen and submorged forst is lieved to be prehistoric. Lon place them under a tumbler, and if they are not dead in six hours the dip been mined from it more than it is not strong enough. It should be in diameter. made strong enough to make a thirty-

These ancient cedars have a 60 ficsh-colored wood, and if it is a second dip effective. Sheep are to be that was allve when it fell, then kept in the dip one minute. Place the pungent flavor when cut as per dip in the tank before the water, so our common red cedar, The The best time to dip is when the trunks are odoriess. The Hgs h wool is one-fourth to one-half Inch heaps or layers, and it has not long, so that the dip will adhere to determined yet how many layers are below the top stratum then shearing time the whole flock should uncover. be dipped at once to prevent the ticks

When these prehistoric cedan first discovered and for 80 years of ward they afforded remuneration constant employment to many To obtain a good stand of grain It is necessary to use the largest and sons who mined the logs, and is plumpest grain for seed. Small or they are a source of considerate come to those who continue to a shrunken grain gives weak plants, the logs. The cedars are cut to shingles and staves and made pails and tubs and other wooden acia. The great endurance of then is noted in shingles made from a century ago and which are as so to-day as when they were first pr 1286.

> Near the Delaware river, miles west of Dennisville, ceim the same variety have been found a depth of 12 feet. At Cape Mara the Atlantic coast, 20 miles est, drilling an artesian well an air deposit similar to the Densio swamp was found at the depth of feet and the drill entered a or log and bored into it more that feet before its diameter was call pierced. This tree was alive when fell, no telling how many those of years ago.

# FASHION HINTS



# At Bell's suggestion torches were and consequently those same elements One reason why people have formed

soil-Rural World.

resounded and Hatteras felt the balls graze his head

"Courage!" should Altamont filnging away his discharged weapon, and throwing himself right in front of the raging animals. One of them, shot to the heart, fell dead as he reached the spot, while the other dashed madly on Hatteras, and was about to gove the unfortunate captain with his horns. when Altamont plunged his snow knife fur into the beast's wide open jaws with one hand, with the other dealt him such a tremendous blow on the head with his hatchet, that the skull was completely split open.

It was done so quickly that it seemed like a flash of lightning, and all was over. The second or lay dead, and Cinwhonny shouled "Hurrah! hurrah!" Hatterns was saved.

He owed his life to the man he hated the most. What a storm of conflicting soul! But where was the emotion he could not muster?

However, his action was prompt. whatever his feeling might be. Without a moment's hesitancy, he went up to his rival and said in a grave voice:

"Altamont, you have saved my life!" "You maved mine," replied the Amer-

Scan. There was a moment's allence, and

then Altamont added: "We're quits, Hatteras."

"No. Altamont." said the captain; "when the doctor dragged you out of your key tomb I did not know who you were; but you saved me at the peril of your own life, knowing quite well who I was"

"Why, you are a fellow creature at any rate, and whatever faults an American may have, he is no coward."

a man, every inch a man-like your-

self. Hutterns." "And, like me, he shall have part in

the glory that awaits us." "The giory of reaching the north

pole"" asked Altamont.

"Yes," replied Hatteras, proudly. "I guessed right, then," said Alta-

most The American stood still a moment,

deeply moved. Then he spoke feelingly. "And you have actually dared to

conceive such a project? Oh! it is grand; I tell you it is sublime even to reward in coming, for the country think of it!"

"But tell me," said Hatteras, in a hurried manner; "you were not bound musk-oxen and deer. for the pole, then, yourself?"

Altamont besitated.

"Come, speak out, man," urged the doctor.

"Well, to tell the truth, I was not. and the truth is better than self-love. meat they managed to procure from No. I had no such grand purpose in view. I was trying to clear the northwest passage, and that was all"

out his hand; "be our companion to tions like ours." glory, come with us and find the north Pole."

The two men clasped hands in a When they turned to look for the by the kitchen fire."

doctor they found him in tears.

windings of the bay and going past Cape Washington, they struck into the direct route for the north, and by 7 o'clock had lost sight of the lighthouse and Fort Providence.

During the first two days they made twenty miles in twelve hours, devoting the remainder of the time to rest and meals. The tent was guite sufficient protection during sleep.

The temperature began to rise. In many places the snow melted, entirely away, and great patches of water ap-Densred.

Hunting was not forgotten during the march, for fresh meat was a necessity. Altamont and Bell kept their guns loaded, and shot ptarmigans. guillemots, geese, and a few young Distoin.

Hatteras advised them not to go more than a mile away, as there was not a day, nor even an hour, to lose. passions this must have roused in his for three months of fine weather was the utmost they could count upon Besides, the sledge was often coming to difficult places, when each man was needed to lend a helping hand.

> For several days the expedition had travelers had only suffered from the which threatened them with snowblindness.

At another time of the year they might have avoided this by walking during the night, but at present there was no night at all. Happily the snow was beginning to melt, and the brilliancy would diminish as the process of dissolution advanced.

On the 8th of June the thermometer rose to 45 degrees, and the rain fell in torrents. Hatteras and his companions, however, marched stolcally on, "No, indeed," said the doctor. "He is and even halled the downpour with delight, knowing that it would hasten the disappearance of the snow.

As they went along, the doctor often picked up stones, both round ones and firt pebbles, as if worn away by the tide. He thought from this they must be near the Polar basin, and yet far as the eye could reach was one interminatle plain.

There was not a trace of houses, or hots, or calrus visible. It was evident that the Greenlanders had not pushed their way so far north, and yet the famiabed tribes would have found their abounded in game. Bears were frequently seen, and numerous herds of

On the 29th Bell killed a for and Altamont a musk-or. These supplies of fresh food were very acceptable, and even the doctor surveyed, with considerable satisfaction, the haunches of time to time.

"Don't let us stint ourselves." he used to say on these occasions; "food "Altamont," said Hatteras, holding is no unimportant matter ip expedi-

"Especially," said Johnson, "when a meal depends on a lucky shot"

"You're right, Johnson; a man does warm, hearty grasp, and the bond of not think so much shout dinner when friendship between them was scaled, he knows the soup-pot is simmering

On the 10th they came to a district "Ah! friends," he said, wiping his which seemed to have been upturned ayes. "you have made me so happy 'i by some volcanic convulsion, so cov- New York Weekly

der?" asked Hatteras.

"It is not impossible," replied Clawbonny. "Listen! Do you hear that crash? That is certainly the sound of feebergs failing. We cannot be very far from the ocean."

"Well, if it turns out to be an I shall push right on over the ice fields."

"Oh, they'll all be broken up after such a storm as this. We shall see what to-morrow brings; but all I can say is, if any poor fellows are wander. manure sprender in his sheds and coning about in a night like this, I pity sequently all obstructions that extendthem."

(To be continued.)

HISTORIC FIELD OF WATERLOO.

Tourist Says It Is Being Divested space out from the wall. It may be of All Interesting Features.

an American tourist from Brussels, The accompanying illustrations show according to the American Register. is rapidly being divested of all its interesting features.

The houses which sheltered men who helped to make history there are being torn down, the roads and paths been attended with no fatigue. The are being obliterated and soon there will be nothing left to remind one of intense glare of the sun on the snow. Napoleon's last stand but the great mound capped by the Waterloo lion the trough when it is all ready for

field trophles are on view, uniforms, booked up close against the wall. arms, drawings and pictures, was never a pretentious institution, but no visitor failed to look with interest at the many exhibits behind the glass University were interested in the sysdoors.

the articles which have been carefully same experimental purposes as the kept for years will be distributed Saids at the Agricultural Experiment among the provincial museums of Bel. Station at Wooster, a certain amount gium, where as individual exhibits of experimentation has to be done in they will lose much in value.

#### A Positive Proof.

frank liking for you?"

a box of chocolates with the remark erent fields. that they were his candied sentiments."-Baltimore American.

#### An Instance.

changes.

for baths .- Harper's Banar.

#### A Ready Explanation.

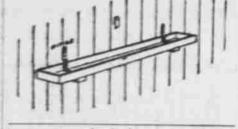
"What is the reason you were so late 1.5 per cent. in discovering the north pole?"

"Well," answered the explorer, "you see they have such long nights in the aretic regions that I overslept "---Washington Star.

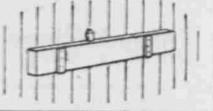
#### Dweilings in Gotham.

Foreign Visitor-Does it cost much to live in New York?

Host-No, sir; it doesn't cost much to live in this city, but it costs like enough to prevent the rabbits reach-Sam Hill to keep up appearances .- ing the exposed portion above the



ed out a foot from the wall were in the way. As calves require a low manger, one can be hung on hinges so that when it is turned up it will not occupy more than five or six inches of any length, but it is better to have it The battlefield at Waterloo, writes made in sections about six feet long.



The museum, where all the battle feeding purposes, and also when it is

#### Keeping Farm Accounts.

Farmiers who visited the Ohio State tem of accounts used on the farm. This also is to be dismantled and While the land is not tilled for the order to determine the most profitable methods of handling the land. These experiments are the same in kind as "My dear child, have you reason to should be conducted by farmers gamsuppose that Mr. Flirty entertains a scally. The accounts are kept in such orm as to show the results of the dif-"Well, ma, last night he handed me 'erent methods employed on the dif-

#### Selling Value of Cows.

The North Carolina experiment sta tion proposes a plan to place a buying and selling value on nows on a basis Enicker - Time brings strange of the yield and quality of their milk. According to the brief account of the Bocker-Yes; the boy whose mother plan it lays down a rule to fix a price can't make him wash his neck grows for a cow at the rate of \$12 per galup to be a rich man who goes abroad ion of milk given per day that shows 3.5 per cent fat. To this add or subtract \$1 for every one-fourth on 1 per cent fat which is above or below the

#### Protecting Tree Trunks.

The trunks of fruit trees may be wrapped with paper to protect them from mice and rabbits, the paper being tied on with a cord to hold it in place. Old newspapers may be used for the purpose, the care necessary being to see that the paper entirely covers the trunk of the tree high paper.

For employee prepare his lands For nature's fertile show. There is no sorrow in his eye Nor anger on his brow. Things are not as in days gone by. He's counting money now. -Washington Evening Star.

Potash Content of Clay Solls. According to a recent bulletin of the New Hampshire Station, the clay and clay loam solls carry sufficient potash for the production of maxium yields of hay, and that a large part of the potash applied in fertilizers is lost so far as the crop is concerned. In other words, the addition of commercial potash to such soils is unnecessary. When barnyard manure, which contains a large amount of potash, is added, the value lies, not in the potash, but in the other fertilizing elements, and in large part in the im-

Cultivation for Forest Trees.

the soil.

provement of the physical condition of

The young farmer forester should be experienced in the art of stimulating the growth of trees in natural groves by cultivation. When we come to think how hard the ground is in some woods it is really strange that trees get enough moisture to support themselves. The difference in the amount of rainfall absorbed by a level-plow-d field and hard-baked hillside is very great, and it is wonderful how an oak or hickory growing on a hillside ever attains to great height and size.

### Winter Egg Producers.

The essentials to profitable egg production are a healthy flock of fowls possessing constitutional vigor, bred from a laying strain; proper housing, and correct feeding. The best way to secure a laying strain on the farm is to select the hens of greatest vigor that naturally produce the most eggs some one is made. during the winter. Mate these hens with a good male, also from a laying strain, and then select only the best daughters from this mating.

### Difference in Types,

The man who has been accustomed all his life to raising the lard type of twelfth century, and the great boy hog will have his troubles when he comes to shift over to the bacon breeds. This has nothing to do with the merits of the breeds in question, but the feeding habits, the general character and make-up of the two types are different. and some time and possibly some expense is necessary before the experienced feeder of the one type can shift over and became a successful feeder of the other.

Ventilation and Egg Pertility. A common cause of the failure of fertile eggs to hatch is lack of sufficlent ventiliation The freah air supply depends to a greater extent than is saar. generally known on the difference in the temperature of the air inside the now a German inventor has pater machine and that of the room in a simple sail vehicle, which man which the incubator stands.

A striking model for an embroided handkerchief linen, has a pointed on thirt effect, cap siceves and a mot a tractive waist that is "" vesty " in deles. The lower part of the skirt is hills pleats.

#### IN CHICAGO.

Every 6 minutes a child is born Every 7 minutes there is a funni Every 2 days some one is murdered Every 13 minutes a couple gets mil

Every 10 minutes an immigrant # rives.

Every 3 minutes some one is # rested.

ried.

Every 42 minutes a new busines firm starts up.

Every 48 minutes a ship leaves in harbor.

Every 81/2 hours some couple is 0 vorced.

Every 10 hours some one commit suicide.

Every 7 hours some one falls it business.

Every 1% hours some one is killed by accident.

Every 8 hours an attempt to kill

At the museum at Innsbruck Austria, there has been for a number of years a piece of pottery in the furn of a basin, which experts were usable to locate as to age. It has now be determined that it was made in D remarkable more for the design while it bears on the inner side than for I age. It shows Alexander the Gree riding in an airship, which is prop-led by griffins. Alexander stands how ing with a great rod food over the heads of the griffins.

#### Altraism.

Wife-You disappoint me dreadful ly. You won't de a thing to help th church. Husband-What's the matter! Dal

I stay home every Sunday so some one

else may have my seat?-Harper's B

iceboats have long been in use, se

fair progress over good roads.