part of the berries and fruits now used

advantages be taken of the combina-

Can such modes of soil manage-

By MATIE BARNES.

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******* Sparville was grateful to Henry Griswold. Not since the engagement of McMahon's minstrels two months before had the town had so much to

talk about. Nine years ago Hank Griswold had gone to the city in his Sunday pepper and salt suit, with cowhide boots and cloth cap to complete his costume. Now he had returned Henry Griswold, and to the spiendors of well tailored clothes he added the magnificence of a fur lined coat and shoes and hat equally glossy.

Sparville was accustomed to fur coats, but with the fur outside, while Henry showed only the cloth. Patent leather shoes, too, every day in the week were regarded with awe not unmixed with envy.

Even more interesting was the evident interest Griswold displayed in Nellie Morrison, They had been sweethearts in the old school days and had kept up a correspondence, a fact disseminated by the postmaster, but it was evident that Griswold had come heme with the intention of cutting out Ben Pierce, who escorted Nell home from church Sunday evenings and otherwise gave evidence of ultimate serious intentions.

Public sentiment was largely in favor of Ben. Had Sparville been so frivolously minded as to indulge in betting the odds would have been about three to one in his favor, for Henry had seemed to lose interest in skating and coasting and other winter sports in which Sparville delighted.

He visited the pond and the coasting hill, but merely as a spectator, and at such times Nell, fully conscious that the exercise brought a stronger glow to her cheeks and an added sparkle to her eyes, was most inclined to hec-

Griswold ascribed her treatment to a desire to display her powers of co-



"WHO CATCHES MAY REEP," HE QUOTED. quetry, but when, near the close of the second week, he made formal proposal of marriage and was refused be stared at her in dismay.

"It's this way," explained Nell judiclously, seeing his bewilderment. "I like you, Harry, but you are so different now. When you were a boy there was no one who could beat you in a others. Now you're afraid to coast." "I'm not afraid," denied Griswold. "I don't want to; that's all. I have

and Griswold went home feeling miser- tonnage of soil material carried out able. He loved Nell, and this refusal to sea annually by our rivers is an im-

found other amusements."

It was Ben who tugged Nell's sled up Beeman's hill the following afternoon and found Griswold gloomily regarding the coasters. The hill swung fertile portion of another acre or of in a rough half circle down the steep declivity. Usually the roadway was beaten into a glare of ice by the coasters, for it was the only good coasting place in the neighborhood.

From the brow of the hill the entire road could be observed. All summer thick growth of pines which had covered the hillside, and now only a broad expanse of glistening snow crust dotted | Short Orders and Oysters at with the pine stumps remained.

It was a pretty spectacle, and Griswold enjoyed it in spite of the evident favor with which Nell regarded Ben, who accompanied her in her dashes downhill and the walk back again. with Nell walking by his side. Nominally Nell's sled was her sister's, and one pint up. Ben's was supposed to be the property of his little cousin, but those two youngsters had little use of their pos-

The sun was dipping toward the hills on the other side of the valley and most of the coasters had gone home when Nell settled herself for her last ride. Ben had stopped to tie his shoe laces, and Nell looked over her shoul-

"Who catches may keep," she called as the slad sothered momentum. Ben

throwing himself upon it and starting one's loss is another's disaster. off at a terrific pace. Griswold gave one glance at the fly-

ing figure far ahead. He knew that Ben's sled was not as good as Nell's she reached the bottom of the incline.

of the hill. At the foot of the field was a place

downward upon the sled. Griswold shot down the steep declivity. he steered his flying sled in and out be- whole train of problems. tween the stumps, shaving the bark here and dodging a trunk there just as a fractured skull seemed imminent.

It took but a few seconds to accomthe road.

the runner of Nell's sled.

Ben to pass them.

"How did you do it?" demanded Nell wonderingly. "Did you think it would be Ben?" he countered. The girl shook her head.

and I was afraid that he was alone." "He was," explained Griswold.

came the short way." Nell looked at the runner marks

stump dotted bill. "You came straight down?" she

waved under his left ear.

"You go back and get your coat," she

way. No one has dared before." the slide," he explained, with a happy trees whose employment on wash Suscribe for the Morning Astorian, laugh, as she slipped her hand in his and they started up the hill after his areas is urged, both alone and in con- 60 cents per month.

LAND RESOURCES

(Continued from page 6)

some such rate as one inch in a thousand years. At any rate, surface wastage must be very slow unless as it is to out-run soil production and lead to the loss of the body of the soil. Surface wastage is therefore a serious menace to the retention of our soils under present modes of management. Historical evidence enforces this. In the Orient, there are large skating race, and you used to go down tracts almost absolutely bare of soil Beeman's hill faster than any of the on which formerly bore flourishing populations. Much more than simple loss of fertility is here meanced; it is the loss of the soil-body itself, a loss Nell smiled and changed the subject, almost beyond repair. The immense was a blow to his heart and his pride. pressive warning of the danger of excessive soil-wastage. Nor is this all; the ash from one acre often covers the several. Sometimes one's loss is an-



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sprang to his feet and ran for his sled, other's gain, but all too frequently junction with trees. However, a large

From a study of soils, it becomes are perishable and have limitations of clear that the key to the problem lies preservation, transportation, market, in the control of the water which falls etc. If additional shrubs could be SHE'S A QUEEN on each acre. This water-fall is an evolved by modern selective methods, and that he would not catch her until asset of great possible value; saved if whose nut-meats or dried-seeds should turned where it will do good, lost if be made available instead of the wat-There was just one chance for him- permitted to run away, doubly lost if ery pulp, and which could be handled self, and, throwing off his coat, he it carries away also soil that, on the much as cereals are and have similar caught up the pointer that Jimmie average in our domain, crops can use wide, year-around markets, there Sweeney had just brought up to the top to profit all the rainfall during the would be a larger choice of crops to growing season and much or all of grow on soils subject to wash. There where two lengths of the fence had that which can be carried over from would be less pressure to cultivate the fallen in, and there were two or three the non-growing seasons. This great- cereals on all available soils and they similar breaks where he stood. It was ly simplifies the complex problem, for might be limited to surface less subthe work of an instant to step through the highest crop values will usually be ject to destructive wash. one of these and throw himself face gained when the soil is made to absorb the largest part of the total rain-Steering with both hands and feet, fall and snowfall. In securing this, nation crops. No doubt there is much claim or MONEY back. It was several years since he had been there will be the least run-off and sur- crowding and repressive rivalry among on a sled, but it all came back to him, face wash. Obviously, then, the high- natural mixtures of plant, but there to us.

All the known and tried methods of and cereals are helpful associates in if defects are trivial. preventing wash and turning the rotation and in some combinations. Desk 22 ESTHETIC CHEMICAL CO., 31 West 125th St. New York. plish the fourney, but to Griswold it fall into the soil should be employed May not the principle be pushed much seemed years before he shot through to the utmost. It is obvious that all further by the modern processes of the opening of the fence and with a methods of culture and all crops that selection and culture, so that legumes last terrific effort swung himself into increase the granularity and porosity and cereals could be made more intiof the soil contribute to the end mate companions in cultivation, indeed et and saucy little hat that he was pur- sought. Deep tilth to promote soil so that such helpful associates might sulng, and as he shot past he caught granulation and deep rooting plants to replace weeds as the spontaneous form root-tubes are specific modes of companions of the crops we cultivate? "'Who catches may keep," he quot- great value. Artificial and underdrain- Certainly much can be done by using ed as he steered the two sleds into the age by preventing water-logging and such plants as fall, winter and spring softer snow beside the road to permit promoting granulation aids the end crops, to cover the soil when specsought. Contour cultivation by ar- ially exposed to wastage? These and resting and distributing the surface similar devices may be used to reduce wash may also assist. Alternate the bare surfaces so much developed strips of protected and cultivated land, by present modes of cultivation, and "I wanted to see if you would make reservoirs for catching and distribut- may make it possible to cover permaan effort," she explained shyly. "All ing concentrated rainfall, and other nently by profitable portecting crops slopes and give the surface waters most menacing. the right direction.

It is possible that some of the more ment and crop selection be made to break in the fence and then at the be found by a closer study of nature's er stages, say the long run of a lifemethods. Nature has been working at time, are considered? This must be this complex problem of balance be- answered by those whose knowledge "It was the only way." he said quiet. tween soil formation, soil waste, sur- of the practical art of tillage fits them "Ben already had a lead on the face slope, plant growth, and stream to answer; but it is clear that if such road, and I knew that I should have development for millions of years, protective measures are not profitable to take the short cut in order to beat Looking closely at her methods we now, they will soon become so, for if note that she uses a much larger va- the loss of soil proceeds at the present Nell looked him over sternly. The ricty of plants to cover and protect rate and the number of inhabitants thin leather of his shoes was cut and turned away to obey the command. "I freely on slopes especially subject to example and a warning. Our escape didn't think you would, but I never wash. The present profitable forest from such a struggle should spring dreamed you would come the short trees are a resource of this kind to be from a longer forevision, a deeper inemployed to the utmost. We also sight, greater skill and indefatigable "No one else had you at the end of have many shrubs, vines and fruit industry.

torn, and here and there was a rent in the soil than we do. These plants continue to increase as now, the value his clothing where he had struck a have a wider range of adaptation to of the residue of tillable soil which tree. The gloves hung in shreds from the special situations where protection will remain after a few centuries will the scratched hands, and his necktie is needed. We may therefore inquire | be so great as to force extreme measwhether we should not follow this ures for its conservation. The pitiable precedent further by developing more struggles of certain oriental peoples commanded, "and then we'll go home kinds of profitable plants and by to retain and cultivate the scant remly glad that you win," she added as he using the protective varieties more nants of once ample soils is both an

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and with a skill that was the talk of est solution of the problem by the seems also to be associations that are the hill for the remainder of the senson tiller of the soil essentially solves the mutually beneficial. Cannot greater pay cost of packing and portage if you will mention that you How is this control to be effected? tion method? It is clear that legumes saw the Advertisement in this paper. The sample alone may be sufficient

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