



SOW ING IHE SEED OF DOUGLASS FIR AN SNOW IN FERRETARD

orchardist sets out a crop of trees that will not hear and bring returns for 10 land with fir trees, placed at a distance or 15 years, he is said to be a man who of seven feat apart. It is estimated by is looking forward a considerable time. the Government authorities that in the 46 years, or even longer.

out, nor will it be the last one; for stumpage. every year the Government is planting and hickory, were set out and are now doing well.

planting trees the Government By the period of the Indian to the present, and the vast areas which are every year.

now worthiess on the tops of the mour tains in the Coast Range will, in 40 years or so, become deep and heavy for-

HEN a man plants a 169-acre farm he is considered a pretty extensive farmer, and when an small when compared with the income. but Uncle Sam is planting gardens in Oregon, or rather orchards, which will cover an area of over 10,000 acres this the fogs from the sea keep the trees rear, and which will not be of value for damp the year around, that in 40 years every tree will contain between 800 This little 10,000-acre orchard is not and 1500 feet of lumber, worth at the the first one of this size that he has set present time \$2 a thousand feet as

As they are being planted there are with trees these wast areas, from which no less than 30 trees on the acre, and, timber has been hurned. This year fir taking an average of 1000 feet to the trees are to be planted nearly altogether, but last year and the previous worth of lumber on an acre. And this year hardwood trees, such as wainut is to be taken off land that today is worth of lumber on an acre. And this worthless and upon which less than \$2 is to be invested. And when it is realized that this year alone 10,000 or more hopes to clothe the barren hills that have been fireswept at differnt times, revenue of no small extent will be netrevenue of no small extent will be net- of fighting the destructive fires in two ted Uncle Sam if he plants this much Replanting on Great "Burn."

In the Sluslaw reserve, which includes he timber on the Coast Range, in

E IN SID RESI RESERVE WHICH WILL BE PLANTED WITH CROPS OF

ROFED

ket and worth proportionally more because of location and accessibility. The process of planting is interest-

ing. It is done by the Government Forestry Service. The same supervisors who are now directing the work months will be planting seed on the regions burned before there was any

Forestry Service The work of planting really begins rests, which will keep running the Ore-gen sawmill and which will maintain.
 Douglas, Lane and Lincoln counties, Dregon her place as the lumber center of the world. Conservation may have its good paints, but the planted for the Service and about the hills of Springfeld and Lucene from the Sizulaw reserve and about the hills of Springfeld and Lucene from the Sizulaw reserve and about the hills of Springfeld and Lucene from the Sizulaw reserve and about the hills of Springfeld and Lucene from the Sizulaw reserve and about the hills of Springfeld and Lucene from the solw rest bushes of the dire of the serve serve and about the hills of Springfeld and Lucene from the solw rest bushes of the dire of the serve serve and about the hills of Springfeld and Lucene from the solw rest bushes of the dire of the serve serve and about the hills of Springfeld and Lucene from the solw rest bushes of the dire the serve serve the set for the serve serve the set for the secol her where one can stand or any is a form of Conner will be planted, and in the val-ters.
 Foress as Investment.
 Foress as Investment.
 The planting centers of Oregon. So when the solw rest fram the sairy starting the and how for miles and set no green tree. Furthermore, this rest the solut is not isolated, and in the val-ters below is no the second the super houses owned by the Govern-ters will be a size for of the firts excel the solut cents a bushel for the seed hand how set ing connes are foreed to give up their the solut conts as form of the forests is not set on green tree. Furthermore, this solut land the same and look for miles and pound will plant one acres by the "broadcast" method. The planting centers of Oregon. So when the solut is to the a profitable one to the ed it will not be very far rem tramstime to the solut solut the solut the solut solut the solut the solut the solut the solut solut the solut plant the di first with the gathering of seed. This year is a very productive seed year and

in layers, representing the gatherings of several years, which have been un-touched by the redents for food. Preparing the Seed. These cones are gathered from the pickers by A. E. Cahoon, supervisor of the Siuslaw reserve and by Supervi-

sor C. R. Seitz, of the Cascade reserve, sor C. R. Seitz, of the Cascade reserve, and their deputies. The picking season lasts from September 1 to September 15. The cones are then shipped in sucks to Wyeth, Or, where the Gov-ernment has a cone-dryer. Here arti-ficial heat is applied by which tho cones are forced to give up their seed, which are collected and put in pack-ages. These are sent back to the ranger for planting. The seed is very small and two bushels of cones' make a pound of seed. By the time it is returned to the supervisor for planting it has cost

MARD WOODS A SHARP STICK

INTO WILLICH SIED, 18 DEAPPET

"broad-cast" planting it is done while "broad-cast" planting it is done while the snow is on the ground. The spot planting is the cheapest and has proven the most successful and ef-ficient. When the seed is planted in this way it is taken by a crew of 15 men, each armed with a beavy four-pound hoe and a bag of seed. They work in a line, each man seven feet from the other and sweep over acreage at a rapid rate. Like the farmer drop-ping "spuds" in each potato hill, these forest planters plant the trees in "hills." Each "hill" is seven feet apart and in 40 years each fir tree will be standing as regularly as in an orchard. Planting Crew at Work.

EIRITRES

PLANTERS CABINS SEED IN HEAVO TIMBER ON STUSZAW FOR FUTURE GENERAZIONS.

men are paid \$2 a day for the work and their board and expenses costs the Government less than a dollar. It has been found by actual demonstration that the actual cost of planting, not counting the cost of the seed, is but36. This method is the surest, for every tree grows. But it is more expensive. When planting the men use the hoes are more seed and has proven less flictent. In planting in this way the frequires more seed and has proven less for the snow is on the ground. Then the sovers cover the burned-off areas scattering the seed right and left. When the snow melts the water carries the seed into the ground and an early start is given. But even from the seed, when the "spot" method is used, the young trees grow very rapidly. Seed that was planted in February of this year is now in the form of young fir trees, over a foot high. The percentage of trees that grow from the "hills" in the "spot" method is very high, and out of the several seeds planted in each "spot" one is nearly sure to grow. The work that has been done in the past three years in the Sluslaw forest has been highly satisfactory up to this time, and it is probable that the work will be continued by the Government each year until every acre of the vast areas that were burned by the great fires in the

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were hurned by the great fires in the early days will be re-covered with green forests. FRANKLIN S. ALLEN.

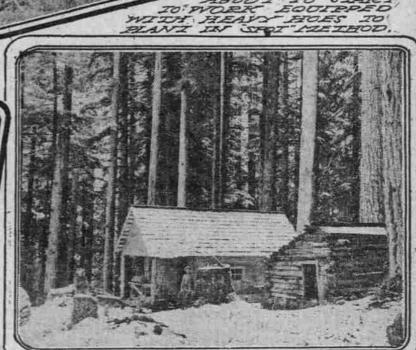
I looked at her in astonishment, as

"Do you mean to tell me that you

"Yes, that's all. What's happened him"" said she, her anxiety returning.

have but one son?





The Moran Twins ~ THE STORY OF AN OFFICE BOY ~

WAS in need of an office boy, and had inserted a notice in the morning

I afterward accertained that he was right, and that Moran, with the accent on the last syilable, was purely American. and not Irish.

"Are you afraid of work?" I asked. "Ches. no! I never was near enough to it to be afraid," said he, and that answer made me resolve to engage

We want a boy to run errands, copy letters, go to the bank and do what-ever he is told to do." "I know," said he, spitting through

"I know," said he spitting through ils teeth on the hardwood floor. "That's what me twin brother does." "Well, if your twin brother does it, don't you do it. I don't want any spitting around here." He smiled cheerfully and said. "I meant me twin brother, Channesy, was soldin' down a job like dat." I have always been interested in rests. and I countred:

twins, and I enquired;

twins, and I enquired: "Does your twin brother look like you?" It did not seem possible that there could be another boy as homely as Billy. Probably his twin brother was very handsome. In order to pre-serve the self-respect of his parents. "He's me dead ringer" said he. "Any-body can see dat. He's waitin' on de

"James," said I, and he turned and oked at me in surprise. "Did you speak?" said he, in a tone at was if anything tougher than his cother's. looked at me in surprise. "Did you speak?" said he, in a tone that was if anything tougher than his

"Yes, we're twins, but he makes me tired jus' de same. Say, w'en's he "I guess l

hommely.
"Yes, we're twins, but he makes me tited jus' de same. Say, w'en's he comin."
"He ought to be right along now."
T looked back as I spoke, and though now."
T looked back as I spoke, and though now."
T looked back as I spoke, and though now."
T looked back as I spoke, and though now."
T looked back as I spoke, and though now."
T looked back as I spoke, and though now."
T so business triend on a Broadway and as I wanted to talk to him on a matter of importance, I jumped upon the car with a hasty goodby."
Wat day Billy began work, and he proved to be a bright, happy little chap.
He was respectful, reasonably heedful of what was snid to him, and very quiet I was surprised to the spit and I don't want you to sing."
He was respectful, reasonably heedful of what was snid to him, and very quiet its to be allily. Twe told you not to spit and I don't want you to sing."
Mr. Larkin, w'ot's a little ting like that been having a succession of stupid or vicious or lary boys, and a boy of either of those types takes a good deal out of a man in the way of nervous force.
But Billy was just the boy for the

would have won a discharge in many

When he went home that evening-When he went home that evening-so the shipping clerk told me after-ward-he broke out into a song and dance of the most abandoned descrip-

To my relief I met him coming out of the store as I went in. "Hello, you didn't get lost, then?" He simpped a copy of the Sun in his side pocket and said: "No, that was on'y a kid-about nine years old. He'll toin up all right." "Well, Billy, I hope you had a good time yesterday, but I think that the plan won't work very well. Your brother is rather noisy." Billy's evancesion was sympathetic

Billy's expression was sympathetic In the extreme. "Che, boss, I tol' him to keep his mout' shut. He's been brought up bad."

The next instant there was the and learned that our deposit had not plaintive and nasal boom of a 'cello been brought in, but that the checks and James was giving an imitation of and the slip had been found on the mar-"Feth, an' is it twins you're talkin' about? Sure me twins died when they a master mimic that bettered his mas- ble floor near the paying teller's desk. was bables an' it's only Billy I have, "You and Billy seem to be fond of to Coney Island. Could the two be in in' care enough at that wid his plays actin' ways."

The four section in the morning paper and had had the usual run of applicant in response, but none of the twe for an antibut set.
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"Yes, but it is this doesn't worry ma. He looks honest enough." But if "Chamesy" looked honest he did not turn out so. He had some to the bank at half-past two, and he should have been back by a quarter of three, as he had nothing else to do, but three and four came without bringing Billy's brother. We sent a clerk around to the bank

home of the twins, but I understood light began to break on me.

The detective explained what had happened, and the poor woman's apron was over her head in a minute, and for the first time in my life I heard real keening. "Oh, he was always actin', but I "Oh, he was always actin, but a didn't tink he'd do anyting diriy. Him stalein',---an' the father he had." I have never been more depressed by anything than I now was at the out-come of this incident. And I found

do outdoors. I haven't opened all was waiting to get in, the porter not i having put in an appearance, although it was 7:30. Billy looked worried. "Aw, tell me you're sick of me an' "I skate. You can't hurt my feelins." He went out of the office, dancing a double shuffle, with his head very affectedly on one side and an extra til to his snub nose, and I dived into my deak to hunt for something. After he had gone I relieved my pent-up feelings by laughing. A step on the threshold made me look up. There stood James, & grin on his face. "I tought I'd get a smile out of you. "I tought I'd get a smile out of you. "I tought I'd get a smile out of you. that much of my sorow came from the thought that the Billy who had made such a good impression on me had never existed; that he was really Jamesy all the time, and acting a part to luil my

and hunched his shoulders with delight. "Better'n an' better," said he. Then he turned to me. "Did I foot you, too, Mr. Larkin?" "William-James," said I, solemnly, "Is this Mrs. Moran" said the detec-"Is this Mrs. Moran" said the detec-tive, with the accent on the "ran." A startled look came into her eyes. "Sure it is. What's happened to Billy?" "It's happened to Ja-mes," said the polycomer