Best Methods of Preserving Nets.

Extensive Researches in Many Countries to Find Means to Extend Life and Service of Twine-A Question Worthy of Study.

weather.

nets from rotting.

BLUE-STONE.

Huwart at Ostend in Belgium exhave long used this method for their salmon nets, putting them overnight

CROCUS

JONQUILS

FREESIAS

HYACINTHS

DAFFODILS

NARCISSUS

DOUBLE HYACINTHS

In a recent number of the Notes iod (115 days in all), the untreated net up I could hardly stand alone and would, stay awake all night long ind technical branch of the French the strain it originally withstood, while the treated net did not break sults of experiments carried out in until ½ of the original strain was Fisheries Department, Fillon gives the while the treated net did not break results of experiments carried out in until 1/2 of the original strain was various countries in order to determine the best methods of preserving of the original amount before breakover my condition, bought me a botof the original amount before breaking, while the latter stretched even more than it did at first. At the end of the third period both nets were useless, but only the treated net had well. I was almost a skeleton when the treated net had well. I was almost a skeleton when the treated net had the skeleton when the ske perimented with blue-stone or blue any strength and elasticity left. The I started taking Tanlac, but now I am general result is that the blue-stone rounded out and feel as strong as I

in a cold solution of blue-stone, and soap as well as blue-stone. A copper then immersing them, without drying, soap is formed, which is insoluble, in sea water. Huwart used half an covers the fibres and lasts longer. ounce of blue-stone for each pound Ordinary soap is dissolved in the hot It is worth while to treat the of net and let the solution act for 4 fresh water (one to two-thirds of hours. He then compared nets so pound to the gallon), using a galvanitreated with untreated nets first when zed vessel. The clean netting, which new, then after 90 days in foul water must have been carefully rinsed in during the winter, then after 25 more hot fresh water, is kept in the hot after 36 more days in foul water in penetrated. It is then taken out and od. The tar acts by virtue of cover- out to drain. This operation is rethe summer. The tests made were to wrung by hand. The blue-stone should ing the fibres of the netting, by being find out how much the net would be dissolved in cold water in a wooden insoluble, and by containing antisepstretch without breaking (elasticity) vessel, taking about two-thirds of a tic or germ-killing substances simand how great a strain was needed to pound to each gallon of water. The liar to carbolic acid. Its disadvan- slightly to prevent too much tar penebreak it (strength). The treated and netting while still hot is plunged inuntreated nets were equal at the be- to the blue-stone solution, and takes p.c. heavier, which means much greatginning, but differed greatly after ex- on a fine green tint. When the so- er wear, and also more labour and

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"About a year ago I caught a cold, which I neglected until I was forced to take to my bed where I had to remain for three weeks. When I got

vitriol (i.e. copper sulphate,) the copper in which kills the bacteria that preserves the net well, except for ful change in me that my friends cause rotting. Norwegian fishermen long periods and in the warmest could hardly believe I was the same could hardly believe I was the same one who had been so sick. My mother praises Tanlac to everybody A better result is obtained by using on account of what it has done for

again in this way from time to time. posure to the rotting water. For ex- lution becomes weak, the netting is time in hauling and handling general-

Mother Says It which lessens the vatches in the case of girl nets. Detter results are obteined by first tenning the net, as

Linseed oil is very dear and difficult

Trials have been made also being partly evaporated and partly washed away by water

TANNING METHODS Tanning is extensively used in the quite the same results. preservation is very temporary. It is necessary to use some method of fixing the tanning materials in

substance of the netting. (A). Tanning followed by tarring. In France tanning is generally done with cutch. After the new net has one of carbonyl. After this, it is drainample at the end of the second per- taken out and rinsed in cold water. ly. It also makes the netting stiffer, ed and dried. The tarring is not usually repeated, but the tanning is ione again after somewhat long use. (B). Tanning followed by treatent with sodium bichromate and blue-stone.—Bull recommends this method as being much superior to the last one, and gives the following directions for carrying it out. The net must be perfectly clean and in particular free from all fatty or oily matters. For 100 pounds of net (either cotton or hemp, but cotton gives bet-

ter results) 15 pounds of quercitron extract, 65 pounds of oak bark, or 25 pounds of catechu extract are used. Half the quantity is dissolved (or excracted in the case of oak bark) in water, and this may be hastened by using a jet of steam or by frequent stirring. When solution is complete

water is added to make the volume up to 50 gallons, and the temperature is raised nearly to the boiling point. The net is put in and kept below the surface with something heavy (not iron), and the bath left covered so as to cool slowly. After 48 hours the net is taken out, wrung, and left to dry. The other half of the extract is added to the liquor that is left and the opera

tion repeated.

The subsequent treatment with lock bark may be used, but they are lost eight-ninths, that is, nearly all. Net made-up nets it is better to take not quite so good. Cunningham's excutch. Quebracho may be obtained strength, proving the great superiorcomes from the bark of a species of factory results, though not so good.

A test of this method, using Mimosa or Acadia that is abundant in quebracho, was made at Ostend, Australia. Treated and untreated nets were placfrequently to let the air have a chance

strength in the rotting water. (C.) Tanning followed by treatment with ammoniacal copper sulphate .-Dr. Olie of Utrecht recommends this method for these reasons: (1.) the tannin and other matters from the first bath are fixed; (2) the tanning matter is made more permanent, and to its protective action is added the the copper; (3) the ammonia neutralizes the sulphuric acid formed by the action of the blue-stone on the tannic acid and makes it possible to put the net away in storage at once. When the previous method is used. the net must be put out in the water at once so that the sulphuric acid may be washed out (which takes place slowly); otherwise the net is ruined. By this method it is possible to put the net in storage directly after treat-

Dr. Olic caried out experiments with this method in 1919, using cot. ton net, and treating it with various anning materials, in each case both

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while repeating the treatment from creased resistance to rotting, losing the solution is gone, or after not mor periments show that true catechu or then treated with the amoniacal cutch does not give as satisfactory re- copper sulphate was under the same sults as mangrove extract or red conditions practically unaltered in

. The exact procedure in this method in a large shallow vat containing of treating nets is as follows: For when it follows tanning. The dyes brackish water, fouled, being stired each pound of net a little more than three ounces of the catechu is used, to act. While the untreated net lost dissolved in a gallen of water. The nearly fifteen-sixteenths of its origi- net is boiled in this solution for half nal strength, and some of its elasticity an hour. The net is then dried and

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bichromate and blue-stone is carried untreated net, were exposed to the tanned net take 5 lbs. of blue-stone out as follows: For 100 lbs. of net 2 action of water during four different and 19 lbs. of 20 per cent. solution of lbs. of blue-stone and 11/2 lbs. of periods, from August to November, Ammonia and dissolve in 50 gals. of potassium or sodium bichromate (the and tested as to strength after each cold water, the ammonia being added latter is cheaper) are dissolved in exposure. His results show that the only when the blue-stone is all discold water in a wooden barrel and the tanning materials, when used alone, solved. A wooden vessel must be volume made up to 50 gallons and do not appreciably lengthen the life used, also a wooden stick for stirring well stirred. The net is put in, and of the net, except in the case of thoroughly. The final solution is of left for two or three hours, being Black Wattle Extract. When subsemoved occasionally with a wooden quently treated with ammoniacal net should be put in very quickly and rod. Then it is taken out, rinsed in copper sulphate (blue-stone and am- either the net or the solution kept in rod. Then it is taken out, rinsed in copper sulphate (blue-stone and amcold water, and dried. It is worth monia) the net shows greatly inconstant motion. When the colour of Four, Six and time to time. In place of quercitron less than a third of its original than fifty minutes, the net is taken extract, oak bark, catechu or hem- strength when the untreated net has out, rapidly rinsed, and dried. For

USE OF ANILINE DYES. The Utrecht laboratory has also experimented with aniline dyes for the more easily, and gives rather satis- ity of this tanning material, which preservation of nets. It has been net so quickly and thoroughly as do the tanning materials. The ammonfacal copper sulphate, when used after the dyes, is not fixed as well as are effective in preserving the net, but less so than is tanning. CARE OF NETS.

the treated net was considerably the operation repeated. After having piled up, they heat, particularly if wash the net and to dry it very quickstronger, and more elastic to begin become dry for the second time (it dirty with mud, blood and greasy ma- ly. with, and lost only a little of its should not have been rinsed) it is terial, and this may go as far as sponweighed. For each 100 lbs. of well taneous combustion. This is most

in Stock

Nine Inch

narmful to the nets, even if well tanned. Much gear lasts only a short time because it has been thus burnt. As is well known, if wet nets are The rule should be to "thoroughly

> If this is not possible, salting may be resorted to, which acts as in salting fish by extracting the moisture and preventing growth of hacteria If the nets are greasy with fat, as in the herring fishery, this is not sufficient, for heating results from the action of air on the fat. Bull recommends in such a case that the nets be kept immersed in water or brine in a vessel with a tight lid until they can be thoroughly cleansed. In this way they are tept out of contact with the air.
>
> There is no doubt that the proper preservation of nets is of the greatest importance to our fishermen. At the for many to make fishing pay. If the nets could be made to do double duty, failure would in many cases be changed to success. The care now given o nets is far from what it should be, and the better methods advocated ab-ove should be adopted by our fisherwe would welcome inquiries as to the procedure or information

BARNARD EXPEDITION SAFE SEWARD, Alaska, Oct.

of Putta and General J. M. A.

of Tacoma, who arrived here n

y on the Siberian trading so Iskum, brought reassuring reports the safety of Capt. Joe Barnard, where the safety of Capt. Joe Barnard Safety Steansson to Wrangel land last year. Ashton said Barnard been entertained aboard the kum, and was then in the vicinity Wrangel Island.

HANGED IN REALITY. Benny Swim twice reprieved derer of his cousin, Mrs. Olive Tre holm and her husband Harvey Tre holm or March 27, was hanged in jail here this morning. Two hanges officiated and the trap was spre three times before the execution successful, taking nineteen minu for completion

KEMAL BLOWS HIMSELF. ANGORA, Oct. Mustapha Kemal has sent the lowing message to the people of of stantinople, "I offer my greetings hope soon to be able to give them p sonally. Peace will be conclu-with the realization of our nation aspirations. The whole world is now with us. Humanity applauds us, saner spirits, even Great Britain our our cause, and many of her plic men, hitherto misquotedly oppo to us have seen the truth, and char ed their sentiment towards us."

BACK TO MUDANIA. CONSTANTINOPLE, Oct. Conferring most of the night the high commissioners here Alli generals, this morning, prepared leave again for Mudania to resun the Armistice Conference.

FRANCE PROTESTS. The government has instructed minister at Athens to protest again the Greek Government having ser reinforcements to the Greek army

BASIS MAY BE REACHED. CONSTANTINOPLE, Oct. are not announced, but it was ceded the situation is serious, it is thought still that a for a common agreement amon the British, French and Italia Delegations could be reache Warships bearing Allied Delegation are scheduled to deave at noon, arriving at Mudania at two thirty o'clock.

Real Drama in "My Wandering Bay."

A STORY THAT WILL PLEASE ST New York raved over the greateren story, "Where is My Wander ing Boy Tonight?" The biggest theat re, "The Capital," was crowded or each night during the run and at ev ery city in which it was shown t very same reception was encountered

After a most wonderful run in Canada and the United States, the Nicke Theatre of this city has been mos fortunate in securing this film for lo cal presentation. The public wants rama right now, drama nacked sentiment, and in this picture the is the greatest combination of hea punch, sentiment, drama and til that has ever been seen since the com ing of the screen drama. The title is borrowed from a famous hymn with which every man, woman and child is acquainted. But back of this title is a good production, artistic and realistic. The story is smoothly told. Scenically, it is one of the pretties features offered to the movie fans of the world. "Where is My Wandering Boy Tonight?" is a record breaker. and we feel safe in saying that it wil prove itself so, next week.

The Mack Bus will run to Bay Bulls and Witless Bay Sunday afternoon, leaving the station at 2.30 p.m., if sufficient passengers offer. Book seats in advance. Return fare \$2.00. Phone 1308. MARSHALL'S GARAGE

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