Report on Subject of Dun Fish.

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our attention to the difficulty which fish. Growth took place at tempera- effectual, it is necessary that the was experienced in the curing and ture varying from 5 to 55' C., the place disinfected be closed up pracpreservation of dried and salted fish, white mycelium developed on the tically air tight. If this cannot be as prepared in Newfoundland and La- optimum temperature being about 25' brader. At his request we perused Government a brief resume, including was identical with that occuring in general advice regarding the cleaning North West Europe, which has been centrated acid to fifty parts of wathorities were not quite satisfied that and Torula Pulvinata. For a de- 1/2 p.c. solution, or lime wash made West Europe was exactly the same | would refer to Eristian love, Ber- with ten parts of water. Such disinas the one they had to face in Eastern | gen's Museums Aarbog, 1901 No. 7, fection should take place periodically. fection recommended might not be the technical problems involved in Formalin, Amonium Bifluoride or

clusters of cells, the single cells and all appliances with which it is

Physiological: The mould was in- ever of its being attacked.

thrive specially well on fish decoction quence of the infection: dia, but showed the distinct surface oughly disinfected from time to time;

d Canada.

taking such

to our cus-

"Canadian,"

Ltd.

egram.

and forwarded to the Newfoundland us to the conclusion that the mould solution of the commercial article) or It appeared afterwards that the au- as Oidium Pulvinatum, Odi Morrhuse mended are Amonium Bifluoride in ase which prevailed in North tailed description of this organism we by diluting ordinary Milk of Lime last publication specially deals with bles, etc., may be disinfected with

recommendations are mainly based on should be carried out at regular in and to this end sent us early in 1912 no way derived from any part of the all implements, tables, floors, tanks fish itself. Salt in its original state | decks, docks, etc., with which the fish tain any disease germs. The mould | be frequently washed with fresh wathe dun, and our investigations were on the offal from the curing place. concentrated on classifying the organ. It is spread as a fine spore dust in the ism which caused these particular air in and around the curing places. and settles, together with dust on the Referring to the photographs, it walls, ceilings, and especially on the tables and utensils used for treating ered with spots. These spots are the fish. It also settles on the brown in colour, and are formed of a | clothes of those engaged in handling powdery material whch can easily be and curing it. Once the mould has brushed off. When the fish was al- got the upper hand, it will infect the whole surroundings, and 'everything with which the workers are likely to come into contact. It may be expected to be specially prevalent in Microscopial: The brown material fishing boats, docks, and all sheds and

was that this was a mould, and the been properly cured and well dried it will offer no opportunity for the de- decks or docks, etc., where the mer various nutriment media with the ob- velopment of the spores, and as long, are likely to walk about in their dirt; dried condition, there is no fear what- foot in packing should not be allow

any appreciable degree there is no tion, and also sterile decoction of the doubt that it has been strongly in- ways provided, of course, that suc dried fish itself. We found that the fected by the spores of this mould at surface, and when the spore formathe time of killing and curing, and on the lines indicated above. tion stage was reached developed the degree to which it later on debrown colonies exactly similar to velops depends very much on the efthose observed on the fish itself. It ficiency of the drying process. Any of refuse from the neighborhood c was particularly noted that the mould delay here will increase the conse-

from the dried and salted fish, and | Recommendations: On the basis menon it was found that the presence cult matter to master this dun. The of salt seemed to accelerate the cure really only amounts to cleanli- in which the fish is treated should b' growth, and it throve well, even on ness and efficiency in the process. As light and airy, allowing for ampl gelatine and agar media containing regards cleanliness, it can only be re- ventilation, and provision should b 10 per cent. of salt. The mould had peated that the holds of ships, sheds, made for entirely colsing the room a distinctly acrobic character, as it rooms and places in which the fish for fumigation purposes. Cold stornever grew downwards into the me- is stored and treated must be thor-

are finished with. All offal

places, etc., the best and cheapest Early in 1911 Captain Solling drew | development always noticed on the In order that the fumigation may be done, the walls and ceilings, etc., must be washed with some disinfect-Classification: Our examination led ing liquid, such as Formalin (a 7 p.c. described under several names, such ter). Other disinfectants recom-Sulphurous Acid solutions as above Nature of Disease: 'The following and in this case also disinfection

with clean pure water, and not b

been preserved in clean packages

boots, and the treading of the fish by

oculated on various well known me- If salted fish develops the dun to use mechanical appliances in prefer

for the undesirable organisms whic

age of the fish after salting and

washed and disinfected every time stated above, the really important points are cleanliness and quick and

Conclusion: In Norway consider-

handicapped by the inferior quality

of their product. It is only reasonable to demand ern ideas of hygenic and sanitary conditions, and there is no doubt that the fish curing industry will benefit thereby, as have all other food industries which have adopted the advantages offered by technical science.

"To One Bath 60 Pounds."

nd in his native land takes great oy in splashing about in pools and ivers. Nature has been especially which he carries about with him.

im when-for show purposes-he is

hree mcn, and costs £60! The phant's huge body with the best pos soap used is something like a hu

small item. When he has been dried, the elephant is well sand-papered-which does not sound particularly enjoy-The sand-papering being finished, Jumbo is rubbed all over with the very best Indian oil until his nouse-colored skin is supple and glistening. This is the most costly part of his toilet, as about thirty pounds' worth of oil has to be used

Fashions and Fads.

The train of an evening gown should be lined with its own material or with plain silk of its own color.

Little vest "tabs" showing under th closing of the coat are almost indis-More and more the long-bodied French style is seen in children's frocks, both for school and better

Macrame work is gaining in favour everywhere for all sorts of objects. from girdles and handbags to table

Fashion is going to the opposite extreme of tight swathing, new coats and other wraps being positively volumin-

med with scarfs of raw silk stenciled in color. Pongee done in green has a good effect. One of the prettiest necklaces is the velvet collar with its pendant or

buckles. Short strings of very heavy beads are also liked. a dash of silk mixed in with them to

form a design, and this design is

sure always to have soft lines about the neck. The woman doesn't live who isn't improved by them. Broad sashes of Roman striped ribbon are a pretty note of brightness

the simple dark dresses appropriately chosen for schoolgirls. Coats to the new "sweater dresses" for spring are cut very full, hanging oose from the shoulder and springing

nto godets at the hem. One of the most radical French ressmakers is showing gowns with draped skirts of black satin and bodso far as durability is concerned, but

ture. Wool velour has its virtue.

it is forgiven for its wonderful tex-

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30c	25c.	12c	8c.
35c	30c.	15c	10c.
40c	34c.	17c	11c.
50c	42c.	20c	14c.
60c	50c.	25c	17c.
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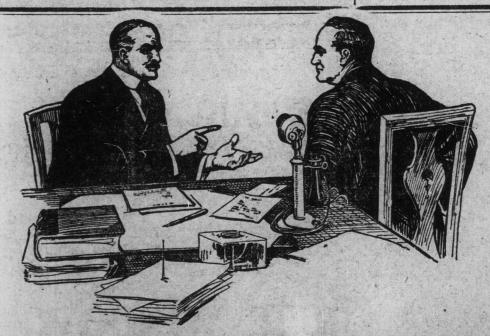
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