

TECHNICAL NOTES

FOREST PRODUCTS LABORATORY

U. S. FOREST SERVICE

MADISON, WISCONSIN

No. C-2

RECOVERY OF WASTE PARAFFINED PAPER

In the process of manufacturing paraffined paper and various products such as cartons, cups, and wrappers, large quantities of impregnated paper stock are now wasted. In the making of paraffined paper alone, it is estimated, the daily waste amounts to 8 or 10 tons.

An opportunity for the recovery of a large part of such waste paper and impregnating material is offered in the application of a method recently developed at the Forest Products Laboratory, providing mill trials are as successful as the semi-commercial laboratory work indicates.

The recovery method consists in treating the finely shredded waste with petroleum oil solvent in a series of extractions, which removes practically all the paraffin. The paraffin is afterwards separated from the solvent, which is used again. The solvent left clinging to the extracted paper is also recovered by a steaming process. A paper fully as strong as the original can be made from the remaining pulp.