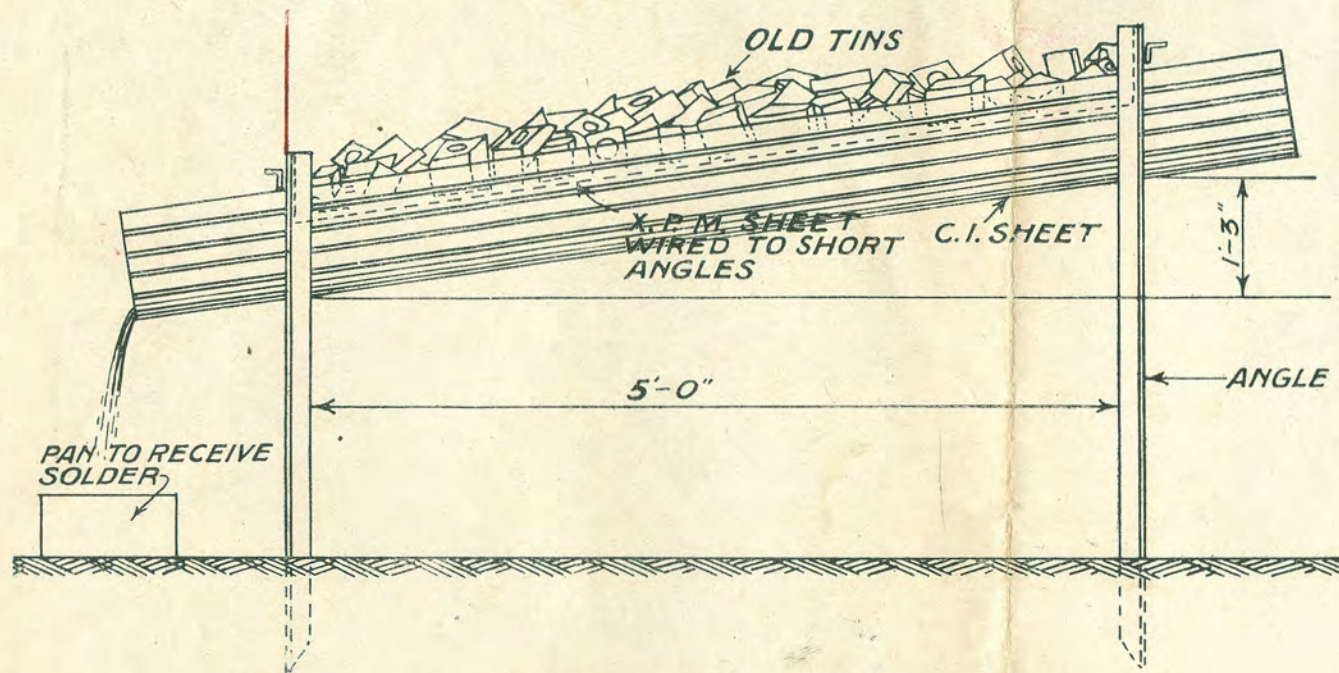


INSTRUCTIONS FOR THE RECOVERY OF SOLDER FROM EMPTY MEAT TINS.

The following further information on the recovery of solder from meat tins is published in continuation of previous instructions, the device now described being especially suitable for use by small units.

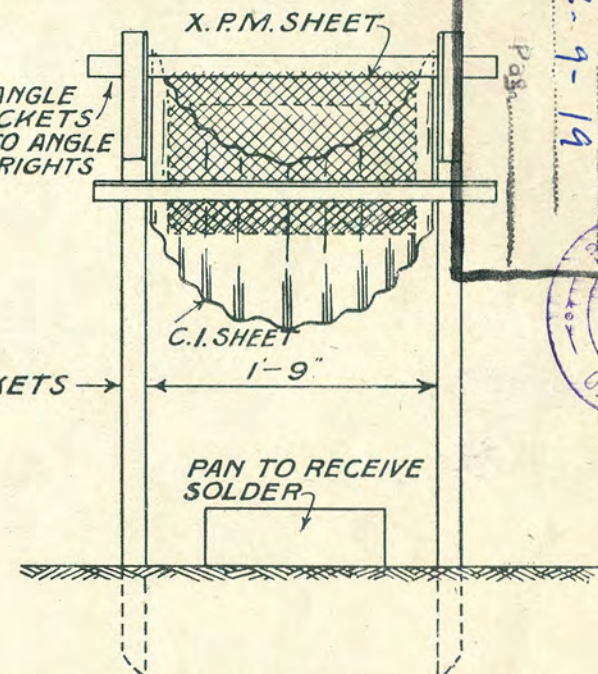
SOLDER RECOVERY KILN



SIDE ELEVATION

Construction.—This kiln is constructed of a bent sheet of corrugated iron, wired, with one end higher than the other, to four supports made of angle iron pickets. A piece of X.P.M. sheet is wired inside the corrugated iron sheet, and is bent up at each end.

Method of Working.—The tins are placed on top of the X.P.M. sheet, and along its whole length. A small fire of rubbish is then kindled underneath the lower end of the X.P.M. sheet, and the greasy tins in this way become ignited and burn steadily from the bottom to the top of the kiln. The solder runs through the X.P.M. sheet on to the corrugated iron, and thence into a receptacle placed to receive it. To prevent the solder from collecting inside the tins, the latter should be placed on the kiln upside down as far as possible, or they should be stirred about while still hot.



END ELEVATION

Yield.—The yield of solder from this kiln is very good, ranging from 1 to 2½ lbs. per 100 tins, according to the brand of tins used. The kiln is not suitable, however, for tins other than those which are of a greasy nature and thus able to supply their own fuel. At Depots where some thousands of tins have to be burnt daily, a number of these kilns would be necessary, or one of the "Beehive" type described in previous instructions on the subject.

Refuse Destruction.—The construction of the *open type* of brick incinerator for burning tins and camp rubbish should be discontinued. Wherever a destructor is required for this purpose a form of the "Beehive" Solder Kiln should be used. This device will not only serve to destroy camp refuse, but can also be set apart at different times for the recovery of solder from meat tins. This type of kiln has been found to yield from 1 to 2 lbs. of solder per 100 tins.

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