

four times, and that of the very fat shoop even six times as much fat as nitrogenous substance. Lastly, in the carcass of the moderately fat pig, there was nearly five times as much fat as nitrogenous compounds.

Turning now to the second division of Table 68 which shows the composition of the collective offal parts (excluding contents of stomachs and intestines), the figures do not show such an uniform tendency to a diminution in the percentage of mineral matter coincidentally with that of the nitrogenous substance as the animal matures, as was observed in the case of the carcasses. This, however, is doubtless due to the fact that the ash of the offal parts include adventitious matter adhering to the pelt, hair, or wool which it was impossible entirely to remove.

It is seen that the percentage of nitrogenous substance is in every case greater, and that of the fat very much less, in the collective offal than in the collective carcass parts. In the case of oxen and sheep, a large amount of the nitrogenous substance of the offal is in the non-consumable portions, the pelt, hair or wool, and hoofs; while some of the remainder is in the stomachs and intestines, which are only very partially consumed, and the rest in other parts which are more generally consumed, namely: the head flesh, with tongue and brains, the heart, the liver, the pancreas, the spleen, the diaphragm, and sometimes the lungs.

Lastly, in regard to the composition of the collective offal parts, it is seen that they contain a higher percentage of nitrogenous substance, a lower percentage of fat, and a lower percentage of total dry substance, and, consequently, a larger proportion of water than the collective carcass parts.

It is obviously a matter of interest both from a dietetic point of view and as showing what proportion of the gross product of the feeding process is salable as human food, to consider what proportion of the fat and of the nitrogenous substance of the slaughtered animals, will, on the average, be consumed as human food in one form or another. The result of much inquiry leads to the conclusion that in our own country, on the average, the whole of the carcass fat and one-fifth of the offal fat of oxen will be consumed; that of sheep, an amount equal to the whole of their carcass fat will be consumed; that of the pig, an amount equal to the whole of its carcass fat and, in addition, more or less of its offal fat, will be sold and consumed as food.

(To be continued.)

**NOTES AND NOTICES.**

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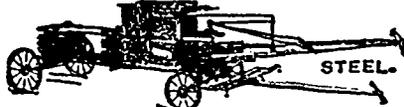
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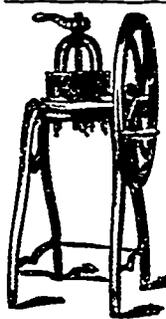
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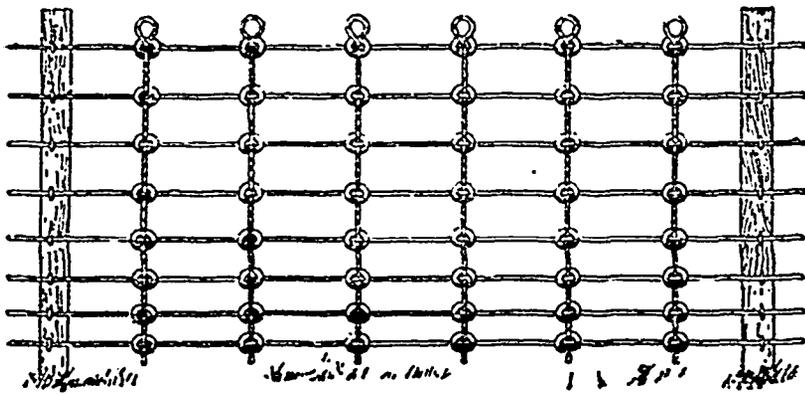
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