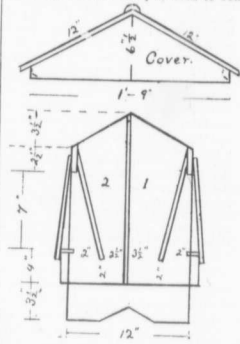


A Hopper for Outdoor Feeding

A hopper of special design is required for feeding chickens dry mash out of doors while they are on the range. The diagrams given herewith describe a hopper, which has been used with a large degree of satisfaction by Prof. Graham of the Ontario Agricultural College. This hopper is so constructed as to prevent the wind blowing out the dry mash and thereby wasting it. The side marked 1 in the diagram, showing the end view, is used to con-



A Suitable Hopper'for Outdoor Use

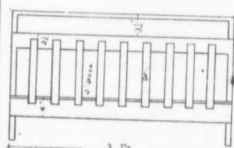
End view showing construction which prevents wind blowing out the dry mash fed from this hopper.

tain the dry mash or chop feed, while whole grain is fed in the side

The bill of material required for this hopper is: Ends—2 pieces, 7-8 inches x 12 inches x 1 foot, 8 inches; bottoms—1 piece, 7-8 inches x 12 inches x 2 feet 10½ inches; bottom sides—2 pieces, 7-8 inches x 3¼ inches x 3 feet; top sides—2 pieces, 7-8 inches x 2½ inches x 3 feet; side strips—18 pieces, 3-8 inches x 15-8 inches x 10 inches; centre division—1 piece 15-8 inches x 10 inches x 3 feet.

- *FEED HOPPER*

8. *Staphylococcus aureus*



Side View of the On'door Hopper

inch x 16 inches x 2 feet 10 $\frac{1}{2}$ inches;
side division—2 pieces, $\frac{1}{2}$ inch x 10
inches x 2 feet 10 $\frac{1}{2}$ inches; cover top
—2 pieces, $\frac{1}{2}$ inch x 12 inches x 3 feet
2 $\frac{1}{2}$ inches; cover ends—2 pieces, 7-8
inches x 6 $\frac{1}{2}$ inches x 1 foot 8 inches.

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ciples on which it is intended that both countries shall make considerable tariff reductions. Scheduled tariff-cutting articles on which Canada alone is willing to make the reductions indicated That Canada is likely to gain the most from this, by the fact that the United States is not willing to allow in at lower rates just 91 per cent. of such goods as formerly dutiable we supply her, worth \$47,332,000, while we allow in at lower rates just 36 per cent. of all goods formerly dutiable that the United States has supplied her, worth \$47,828,000. We have imported much more from the United States relatively than the States has from us, which makes the total values about the same. Under the new arrangement, with 91 per cent. of goods admitted to the States free, our country is likely to increase much more rapidly than the exports of the United States to us.

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