

(c) whether any other line of experiment was tried on sterile cows; and

(d) if so, what and the results thereof?

The Deputy Minister of Food and Agriculture (Shri M. V. Krishnappa):

(a) Experimental work done in India and abroad has shown that it is possible to induce lactation in sterile cows and virgin heifers by hormone treatment, especially by implantation or injections of oestrogenic substances.

(b) 1. Allahabad Agricultural Institute.

2. Express Dairy Co. Ltd., Calcutta (work initiated by Veterinary Investigation Officer, West Bengal, working under a scheme financed by the Indian Council of Agricultural Research).

3. Indian Veterinary Research Institute, Izatnagar.

(c) None, for induction of lactation.

(d) Does not arise.

Shri S. C. Samanta: May I know what results have been achieved in Calcutta and Allahabad?

Shri M. V. Krishnappa: It has been proved that it is possible to induce in these cows lactation by these methods.

Shri S. C. Samanta: May I know whether this work is being carried on?

Shri M. V. Krishnappa: It is being continued.

Shri A. M. Thomas: May I know whether it is an economic proposition?

Shri M. V. Krishnappa: It is economic in the sense that animals which were incurably sterile if not treated by these methods are made to yield milk by these methods.

Shri V. P. Nayar: May I know what is the hormone which is used?

Shri M. V. Krishnappa: Oestrogenic substances, I said.

INDIAN SHIPS FOR INDIAN TEA

***1792. Shri Ramananda Das:** Will the Minister of Transport be pleased to state:

(a) whether it is a fact that the major part of Indian tea exported to foreign countries is carried by foreign ships; and

(b) if so, what steps Government are taking to see that Indian cargo-ships are also employed in carrying Indian tea to foreign countries?

The Deputy Minister of Railways and Transport (Shri Alagesan): (a) and (b). Yes. Indian shipping companies are also getting a share more or less proportionate to their number of sailings. All possible assistance is being given to the Indian Lines to ship the tea cargoes upto their due share.

Shri Ramananda Das: May I know whether Government will consider the question of the Indian shipping companies to carry these goods?

Shri Alagesan: The Indian shipping companies are already carrying these in proportion to the percentage of their sailings.

Shri Joachim Alva: Is Government aware that we possess some 'Liberty' ships and that American ship-builders have offered to modernise them in the matter of speed and structure? Is Government giving any advance to the ship owners to have this modernisation carried on?

Shri Alagesan: The House is already aware that loans are advanced to shopping companies engaged in coastal and overseas trades.

MINOR PORTS IN ORISSA

***1793. Shri Sanganna:** Will the Minister of Transport be pleased to state the amount of grant or loan advanced to the Orissa State for carrying out improvements in the minor ports during 1953?