

USERS GUIDE FOR MULTIBECK FEEDER



**MULTIBECK CS-45
(SHORT VERSION)**

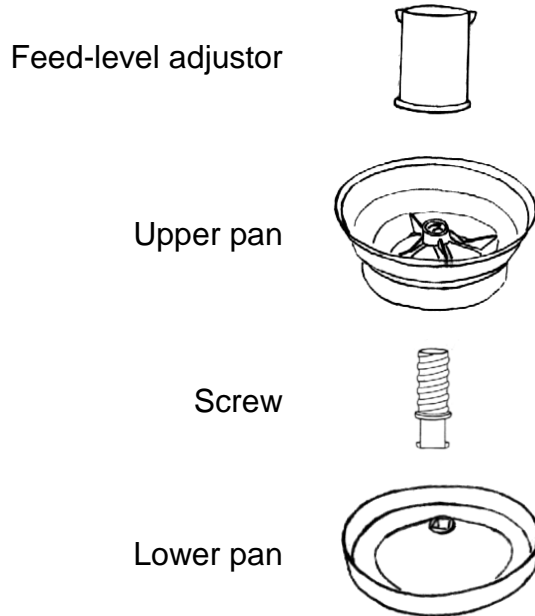


**MULTIBECK CS-120
(LONG VERSION)**

ASSEMBLY AND INSTALLATION OF MULTIBECK

To assemble easily plastic parts of the feeder Multibeck, work in ambient temperature between 20°C and 30°C.

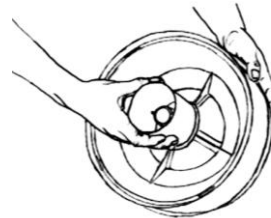
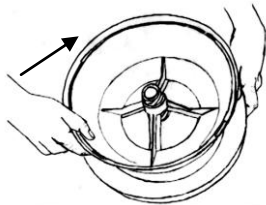
Assembly of pan



First, insert the screw in the lower pan until « click » (not shown).

Then, screw the upper pan until the upper pan touches the lower pan.

Then, screw the adjusting on the screw until it stops (the thick edge of the setting of feed down)



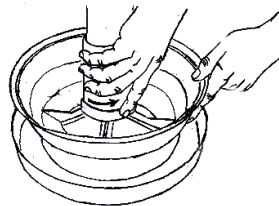
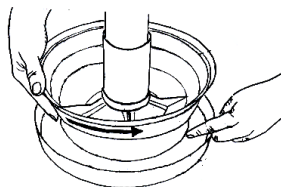
N.B.: PRE-SETTING OF THE FEED LEVEL.

IN THE LOWER-PAN:

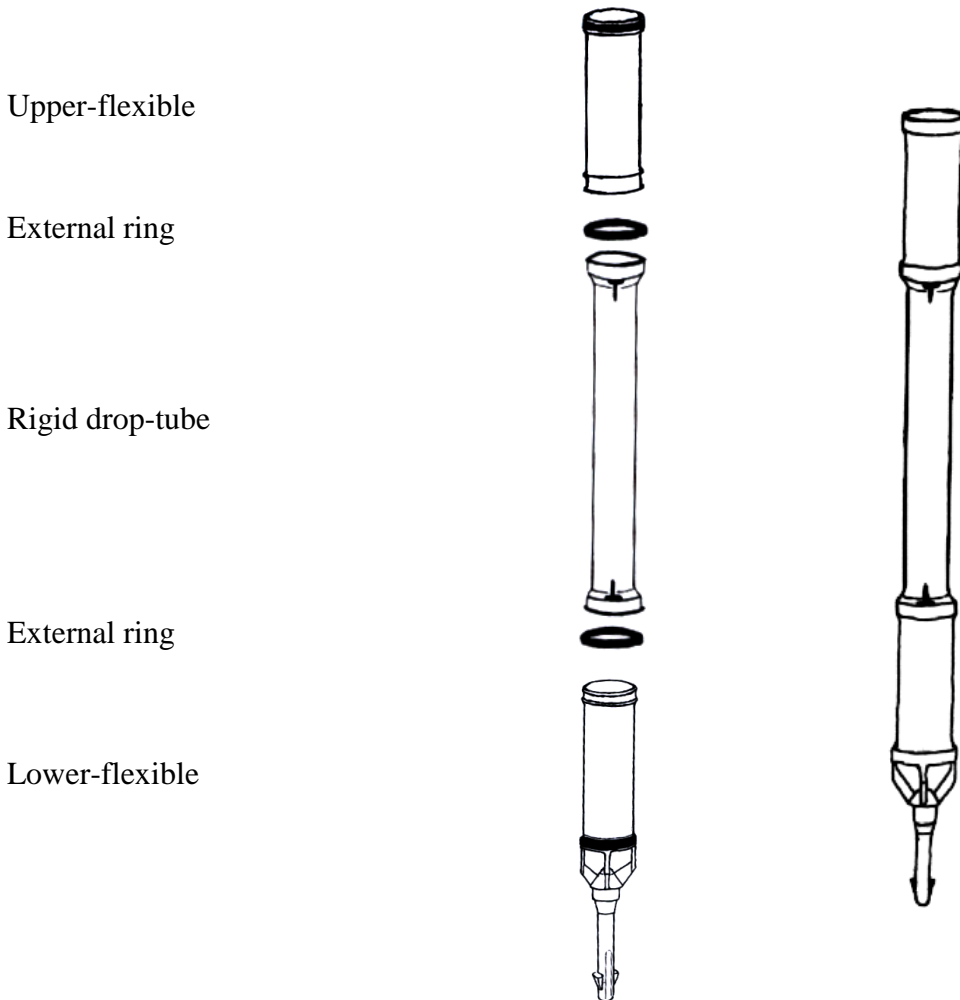
Turn upwards upper-pan about $\frac{3}{4}$ rotations.

IN THE LOWER-PAN:

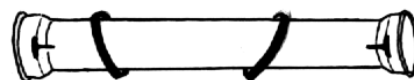
Turn upwards the feed-level adjustor about 1 rotation.



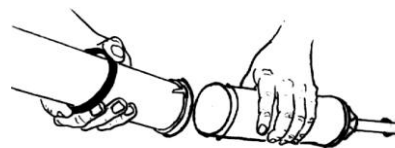
Assembly of the drop-tube CS-120



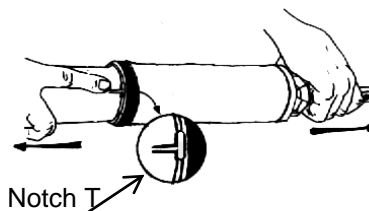
Pass the 2 external rings over the end of the rigid drop-tube.



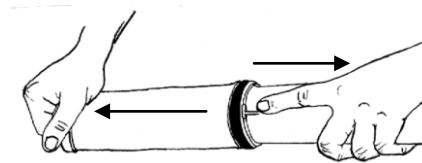
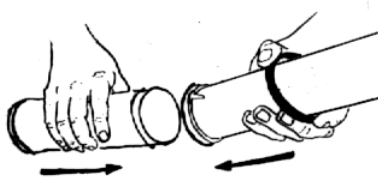
Slide the upper part of the lower flexible about 5 cm over one end of the rigid drop-tube.
To facilitate this operation apply with a rag a thin film of liquid paraffin on the ends of the rigid drop-tube.



Position the external ring into the gorge of the lower-flexible, then pull the lower-flexible and the rigid drop-tube in opposite directions until the external ring has passed the 2 notches « T » on the rigid drop-tube.



For the second flexible the same operation has to be carried out.



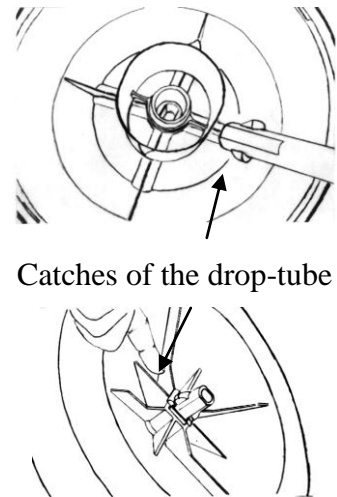
Assembly of the pan-set to the drop-tube

Drop-tube CS-45 or CS-120 (not presented)



Insert the lower part of the drop-tube into the screw until it snaps.

Make sure that the 2 catches of the lower part of the drop-tube have entirely passed through the screw and are positioned under the catches of the screw.

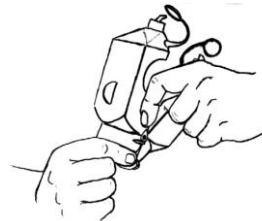
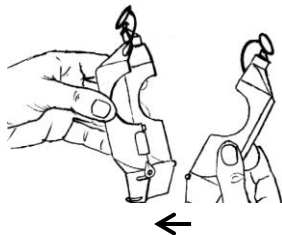


Assembly of the tube-attachment

The tube attachment is constituted of 2 identical pieces.

Take one piece of the tube-attachment in each hand and insert the bolt into the hole at both sides of the tube-attachment.

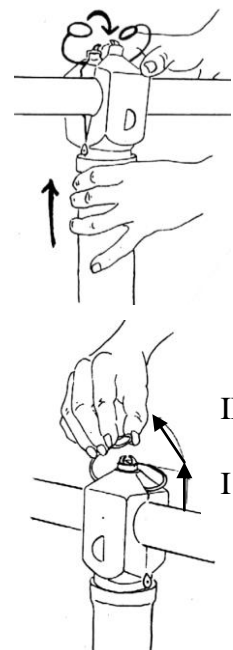
Make sure that both pieces are correctly fixed together: Both bolts entirely introduced into each hole.



Fixing the feeder to the conveyor tube

Bring the tube-attachment, opened towards the conveyor tube and position the upper part of the upper-flexible under the tube-attachment.

Snap the upper part of the tube-attachment together around the conveyor tube and fit the rings on the top of the tube-attachment.



▲ IMPORTANT: MAKE SURE THE TUBE-ATTCHMENT IS CORRECTLY POSITIONNED: THE EARS OF THE HOLE IN THE PIPE SHOULD NOT BE VISIBLE WHEN THE TUBE-ATTACHMENT IS LOCKED ON THE TUBE.

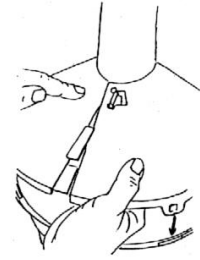
The ears of the hole in the pipe block the pan on the pipe.

NB: To remove the rings, first push them up (I), then take them off (II).

Mounting the cover

Pass the cover around the lower-flexible, approach both end of the cover and slide the tongue into the slot.

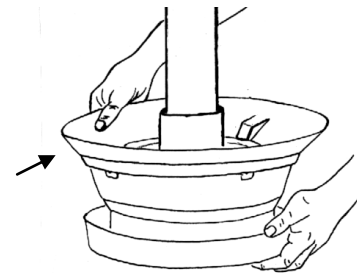
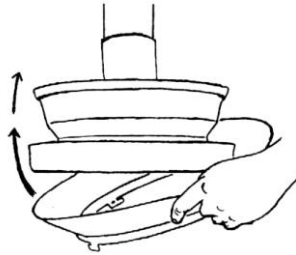
Position the cover so that the catches fit into the slots of the upper-pan.



Mounting the collar

Pass the collar from underneath the pan-set and position the collar so that the catches fit into the slots of the upper-pan.

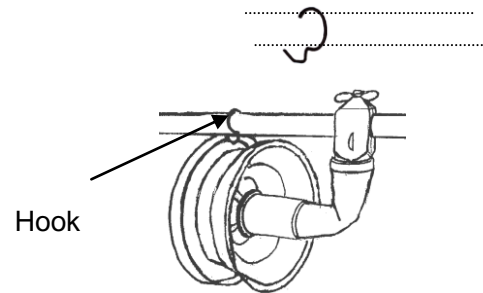
Turn the collar until it blocks and slide the tongue into the slot.



Positioning the feeder for cleaning

Pass the hook around the conveyor tube.

Squeeze with one hand the flexible of the drop-tube, bring with the other hand the lower-pan's rim underneath the hook, then pinch the lower-pan's rim between the hook and the conveyor tube.



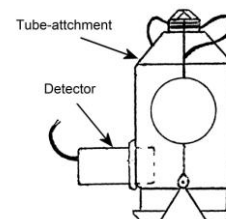
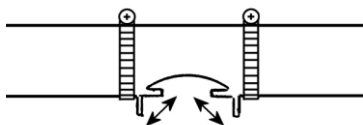
Control pan and drive unit

The control pan has a capacitive sensor on the tube-attachment.

Fix the capacitive sensor in the hole in the side of the bridge so that the sensor is pressed about 15 mm.

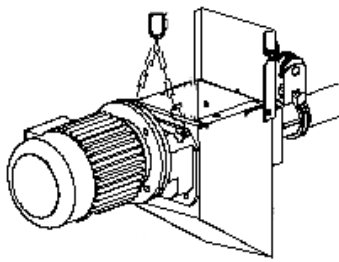


Before placing the feeder controls to the conveyor pipe, fold or remove the two ears of the pipe and replace them with two metallic collars.

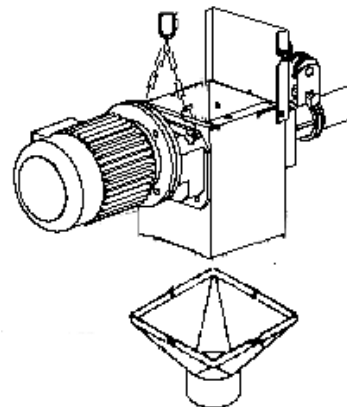


- To reduce the detection time: turn the adjustment screw sensitivity in the opposite direction of clockwise.

MOTOREDUCTOR WITH CONTROL BOX FOR **MULTIBECK CS-45**



MOTOREDUCTOR WITH CONTROL BOX AND FUNNEL FOR **MULTIBECK CS-120**



On feeder line with short model (Multibeck CS-45) equipped with a control box, the last pan will be used as control pan.

This feeder will receive food scraps caused by the spiral in return control box.

On feeder line with long model (Multibeck CS-120) equipped with a control box and funnel, the penultimate pan will be used as control pan.

The last feeder under the control box will receive food scraps caused by the spiral.

Food level on the control pan must be set the same way as in other feeders.

The capacitive sensor is set at maximum sensitivity in factory. Detectors can sometimes be disturbed depending on the environment, such as temperature, humidity or the distance of the food from the detector.

NB: it is possible to place an intermediate feeder control at the middle of the line for starting at the middle of the building. In this case install the feeder at two feeders from the separation in the building.

A switch is used to divert the electrical current of the feeder to feeder control means control in the middle of the line.

IMPORTANT: install a capacitive sensor at the bottom of the hopper. This capacitive sensor, which is connected in series with the feeder control, stop the motor from the power supply line if there is more feed in the hopper.

OPERATING AND DIRECTIONS FOR USE

It is important that you read all this information and that you understand how the power system was designed to operate. When you will be sufficiently familiar with the system, you could manage it according to your own needs.

General recommendations and instructions for use of Multibeck

These recommendations provide guidance to farmers using the alimentation system Multibeck.

Several factors such as the formulation or texture of food, type of poultry, climate, breeding programs, etc. may impose changes on these recommendations.

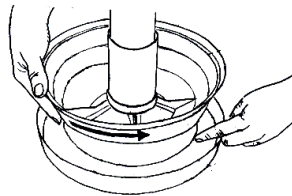
With experience, the farmer will learn how best to manage the equipment in accordance with conditions imposed by the situation.

Instructions in broilers

1. Before chicks arrival

→ Adjust the feed level in the lower-pan (open 3/4 turns) and shake gently the feeder to bring the feed level to the pan's rim (avoid feed getting in the upper-pan by shaking too roughly).

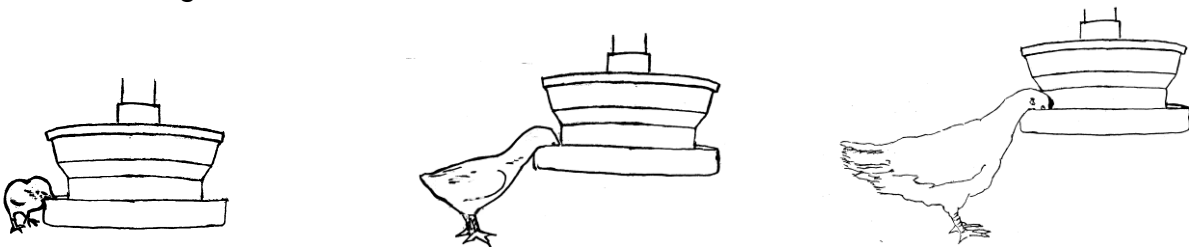
IMPORTANT: do not over shake the feeder to not fill of food the upper pan.



2. From day 3 until the flocks departure

→ The easiness of handling (one setting once for all) together with a design adapted to the way chickens peck at feed (narrow feeding trough), make that Multibeck avoids feed spillage.

Rise every 3 days the feeder line during the birds growth.
Then, broiler growth is slower rise the feeder line once a week.



Because broilers take in feed by small feed amounts (chickens peck at feed), it is therefore not use full to have an important feed depth.
With a small feed amount in the lower-pan broilers cannot waste feed because the birds turn their head sideward to feed and there so cannot peck from left to right any more.

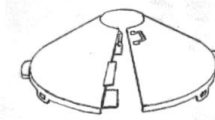
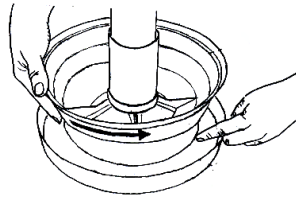
Instructions in turkeys

1. Before the turkey poults arrive in the house

→ Turn up the upper-pan 3/4 rotations.

When feed is filled, shake gently the pan set in order to bring feed level to the lower-pan's rim (avoid feed getting in the upper-pan by shaking too roughly).

IMPORTANT: do not over shake the feeder to not fill of food the upper pan.

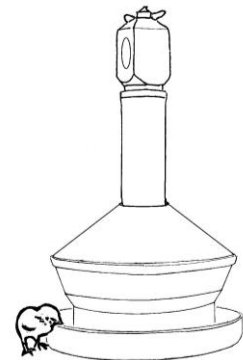


COVER

Position the cover on top of the upper-pan to keep turkey poults from jumping inside.

2. The first day

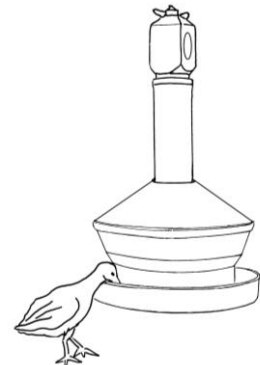
→ Lower pan must be at the level of litter.



3. From the 2nd day on until the 4th week included

→ Rise regularly the feeder line so that the female's back reaches the same level as the lowest part of the pan set.

Rise every 3 days the feeder line during the birds growth.



4. From the 5th week

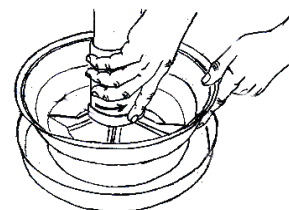
→ A transition is to be carried out for the use of the upper-pan:

- ❶ Turn completely down the upper-pan so that the birds finish the rest of the feed;
- ❷ Remove the cover and make sure that the feed-level adjustor is turned up 1 rotation.

This allows a feed depth of 5 cm which optimizes bird feed intake.



Feed-level adjustor

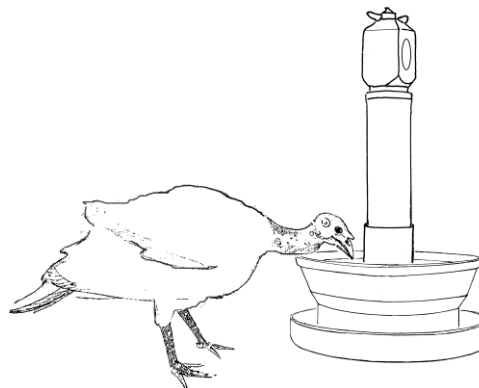


N.B.: Right at the beginning when the feeder parts are assembled, turn up the feed-level adjustor 1 rotation.

- ③ - Lower the feeder line so that the female's crop, when these are eating, reaches the same level as the upper-pan's rim.

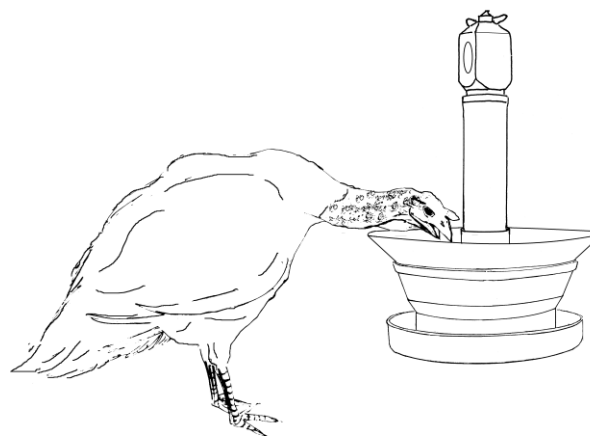
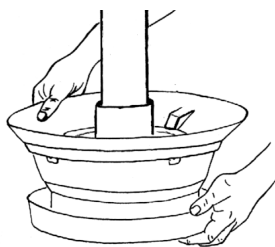
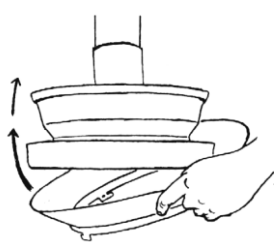
5. During the next weeks

→ **Rise regularly the feeder line**, so that the female's crop, when these are eating, reaches the same level as the upper-pan's rim.



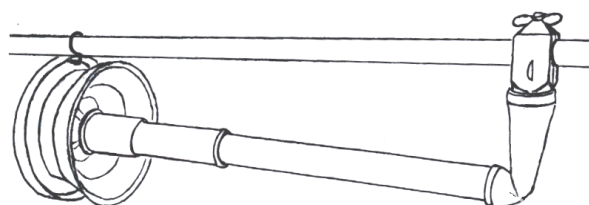
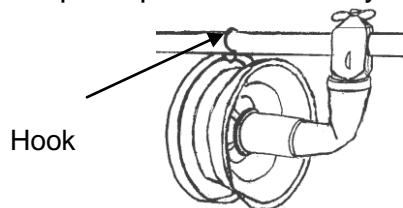
6. When the females have left the house or is the flock becomes nervous

→ **Position the anti-waste collar on the upper-pan's rim and lower the feeder line** so that the female's crop, when these are eating, reaches the same level as the rim of the anti-waste collar.



For cleaning and disinfection

Clamp the pan-set vertically under the feeder line with the hook delivered.



Remove the anti-waste collar and turn up the upper-pan $\frac{3}{4}$ rotations (hereby the feed-level adjustments in the lower-pan will already be set for starting the next flock and this also avoids water splashing back when using a high pressure cleaner).



Do not remain below when you rise or move down the feeder line. Stop maneuver at the slightest obstacle.