
Pedigree hatching box for poultry — Specification

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ARSO Central Secretariat
International House 3rd Floor
P. O. Box 57363 — 00200 City Square
NAIROBI, KENYA

Tel. +254-20-2224561, +254-20-3311641, +254-20-3311608

E-mail: arso@arso-aran.org

Web: www.arso-aran.org

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ARSO Central Secretariat

International House 3rd Floor

P.O. Box 57363 — 00200 City Square

NAIROBI, KENYA

Tel: +254-20-2224561, +254-20-3311641, +254-20-3311608

E-mail: arso@arso-oran.org

Web: www.arso-oran.org

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Introduction

The pedigree process continues during the hatching process. Once those chicks leave the shell, it's utter chaos, there is no way to know which chick came from which egg unless you use pedigree boxes or bags. The objective of the box is to keep track of chicks as they are hatched.

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Pedigree hatching box for poultry — Specification

1 Scope

This Committee Draft African Standard specifies type, material, construction and other details of pedigree hatching boxes/bags that are essential to keep track of chicks as they hatch.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purpose of this document, the following terms and definitions apply.

3.1

pedigree hatching box / bag

container that serves as a safe place to separate hatching eggs inside the incubator, so that one can keep track of chicks as they hatch

3.2

hatching

process in which the chick breaks from the shell to come out

3.3

hatching process

includes the time when eggs arrive from the farm, are placed in incubators, where they are kept warm and automatically turned gently at regular intervals, and hatched

3.4

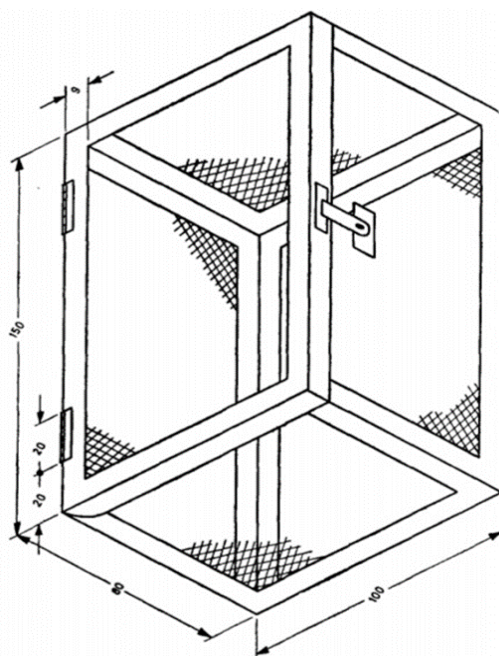
pedigree

recorded ancestry or lineage of animals

4 Types of hatching boxes

4.1 Type A

Box without partitions as shown in Figure 1.



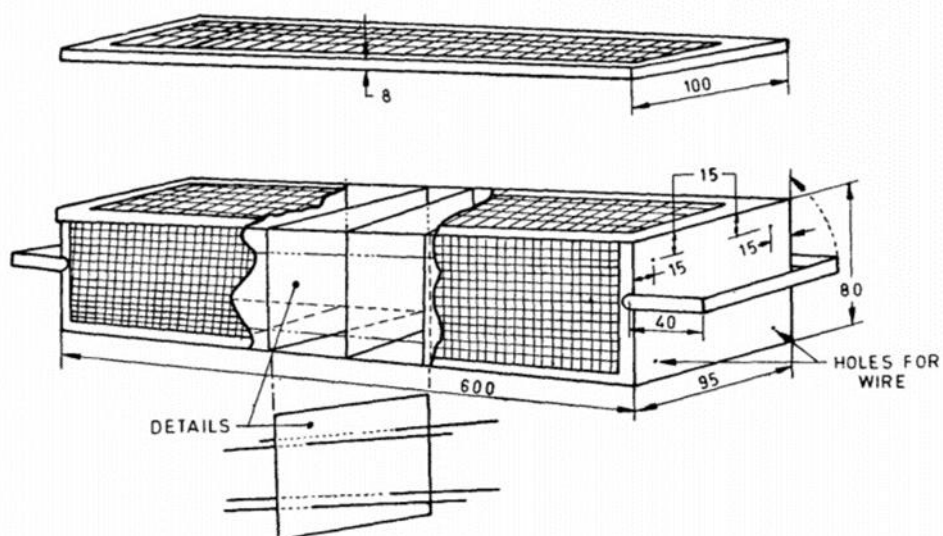
All dimensions in millimetres.
FIG. 1 TYPICAL PEDIGREE HATCHING BOX (WITH WIRE MESH) — TYPE A

ZZ

4.2 Type B

Box having sliding partitions as shown in Figure 2.

3.2 Type B — Box having sliding partitions (see Fig. 2).



All dimensions in millimetres.
FIG. 2 PEDIGREE HATCHING BOX HAVING SLIDING PARTITIONS

4.3 Type C

A box made from galvanized metal or wood material with partition and cover, its cover frame built with wire or plastic mesh. **Figure number**



Figure number

4.4 Pedigree hatching bags

These are made of strong, stretchable and light weight plastic mesh, that allow the chicks to move around comfortably and snuggle their hatch mates during the hatch.



Pedigree Hatching Bags: Pack

Figure number

5 Pedigree hatching containers material

Pedigree hatching containers material include the following:

- Boxes and partitions from galvanized steel sheets, aluminium sheets, aluminium angle sections and steel wire which shall be galvanized.
- Lid, hinges and locking device, galvanized steel sheet, aluminium sheet and wire mesh.
- Plastic mesh.
- Secure, stretchable and light weight mesh.

6 Construction

6.1 The galvanized steel sheet and aluminium sheet for box shall be of 0.63 mm and 1 mm minimum thickness, respectively and for lid 1.0 mm and 1.25 mm respectively, the thickness of wire netting shall be 0.56 mm. Wire netting may be tin jointed or reverted to sheet or angle section.

6.2 In case of Type A, the lid may be held in position with the help of a locking system.

6.3 In case of Type B, small end of the lid should have a lip turned downwards while the other end should be straight for smooth sliding of the lid over the box, the partition may slide on four wires which pass through the partition and also hold them in position.

7 Dimensions

The dimensions of hatching boxes of type A and type B shall as far as possible be, as given in Figure 1 and Figure 2.

8 Finishing

The finish of the boxes shall be smooth so that delicate newly hatching chicks are not injured

9 Marking and packaging

9.1 Each hatching box shall carry the following particulars on name plate affixed on one side of the box as follows:

- a) manufacturer's name or trade- mark;
- b) type of the box;
- c) origin of the box; and
- d) capacity (number of eggs) of the box.

10 Packing

The hatching boxes may be packed as agreed to between purchaser and the supplier.

11 Sampling

Unless otherwise agreed to between the purchaser and the supplier, the sampling plan and criteria for approval and conformity shall be used as given to the ARSO or national standards for poultry egg fertility tester.

Bibliography

Working Group to identify and acknowledge useful literature used in the preparation of this standard.

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