

it is only with the greatest care and attention that plants can be kept in anything like a healthy state through the winter, and if we are to keep pace with the requirements, I cannot urge too strongly the necessity for having the proposed new buildings erected the coming season.

The present potting shed and workshop is also very unsightly in the position it occupies, as well as unsuitable for the purpose required, it being little better than an open shed which cannot be heated, is very inconvenient and uncomfortable for the students at times when inside labour only is practicable.

In the winter months, as heretofore, a course of practical instruction, consisting of root and top grafting, budding, layering and the various modes of propagating plants, was given, and practised by all the students taking their routine in this department.

For the senior or second year students a further course was pursued, including the general care and management of greenhouse and half-hardy plants, the various systems of heating, the ventilation, temperature and moisture required, the composition of desirable soils, the potting, growing hybridising and selection of plants generally.

The construction of hotbeds, their utility and necessary care, with the usual means of success and the common causes of failure, some of the insect pests and diseases, with their cause and cure. Also the common and technical names of the plants we have, with the natural orders to which they belong.

And I have pleasure in saying that the majority of the students taking this course passed a very creditable examination at the close of the session.

The following is a list of the greenhouse and bedding plants that we have in stock.

JAS. FORSYTH,

*Superintendent.*

### LIST OF GREENHOUSE PLANTS.

#### ACANTHACEÆ.

<i>Justicia carnea</i> .....	flesh-colored Acanthad.
" <i>magnifica</i> .....	large-flowered "
" <i>pumila</i> .....	dwarf "
<i>Labonia floribunda</i> .....	free-flowering Labonia.
<i>Sanchezia nobilis</i> .....	noble Sanchezia.

#### AMARANTACEÆ.

<i>Alternanthera achyrantha</i> .....	chaff-flowered Alternanthera.
" <i>procumbens</i> .....	trailing "
<i>Achyranthus tricolor</i> .....	three-colored Achyranthus.
<i>Iresine acuminata</i> .....	acute-leaved Amaranth.
" <i>Lindenii</i> .....	Lindens "
<i>Amaranthus tricolor</i> .....	three-colored "
" <i>Caudatus</i> .....	love lies bleeding "
<i>Celosia cristata</i> .....	crested Cockscomb.
" <i>compacta</i> .....	compact "
" <i>pyramidalis</i> .....	tall-feathery "

#### AMARYLLIDACEÆ.

<i>Amaryllis Belladonna</i> .....	Belladonna Lily.
" <i>Blanda</i> .....	Charming "
<i>Agave Americana</i> .....	Am. Aloe or Century Plant.
" <i>Yuccaefolia</i> .....	Yucca-leaved.