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FIG. 3. DUNN'S FAVOURITE APPLE AFFECTED WITH BLACK-ROT. NATURAL SIZE.

FIG. 4. OLDER CONDITION OF FIG. 3: TYPICAL MUMMIFIED CONDITION. NATURAL SIZE.

[Photos by G. H. Cunningham.]

to grow for several seasons, or until the branch is ring-barked, when the portions above die. Death is often preceded by a gradual yellowing of the leaves, which usually fall prematurely. The bark sometimes falls away from old cankers and exposes the wood.

Sections through a canker on a medium-sized limb show that the sap-wood is discoloured for some distance beyond the visible point of infection, and microscopic examination reveals the presence of hyphæ of the fungus in this discoloured area. On large limbs girdling may not occur, the fungus in such a case forming large irregular cankers,