

ABSTRACT

An Apparatus and a Method Producing Pulp-Moulded Products

A method of forming a pulp-moulded article is disclosed as including the steps of
5 (a) providing a container with a water permeable end; (b) introducing fibre-containing slurry into the container; and (c) applying a positive gauge pressure on the fibre-containing slurry to force water out of the chamber *via* the water permeable end, and thereby to form layers of the fibre on the water permeable end. An apparatus for forming pulp-moulded products is also disclosed as including a container for containing fibre-
10 containing slurry, the container having a water permeable end, and means for applying a positive gauge pressure on the fibre-containing slurry in the container to force water out of the chamber *via* the liquid permeable end, and thereby to form layers of the fibre on the water permeable end. The positive gauge pressure may be combined with vacuum to achieve better results. The exerted pressure may also be fully controlled and thus
15 different profiles may be used uniformly by means of pre-set parameters or dynamically by means of a loop feedback. The pressure may be applied *via* a moving piston that has the upper mould contour, in which case the formation and cold pressing stages can be combined in one stage.

20 [Fig. 3]