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**FLUSHING SYSTEM FOR WATER CLOSETS AND
ACTUATING MECHANISM THEREFOR**

ABSTRACT

In a flushing system and an actuating mechanism for
5 water closets having a double siphon (11) for the flush-
ing operation, the discharge of flushing liquid is pre-
vented by an air lock which is entrapped in a U-bend in
the double siphon and upon the removal of which the
flushing operation is initiated. The air lock is evacu-
10 ated via a venting tube (19) whose one end is connected
to the double siphon (11) at a location which in the
direction of flow is situated after and below the crest
of the U-bend (16). The venting tube (19) extends up over
the crest of the double siphon and is connected to a pis-
15 ton chamber (22). A starter piston (23) is vertically
movable in the piston chamber. This and the starter pis-
ton acts as part of an actuating mechanism. The connec-
tion of the venting tube (19) with the piston chamber
(22) is located a certain distance above its bottom. In
20 the closed position, the piston chamber (22) is filled
with liquid, and when the starter piston is lifted, the
entrapped liquid flows down into the liquid pump (25) and
the air lock is evacuated via the piston chamber. The
actuating mechanism which is especially well suited for
25 this flushing system has a locking device (54-62) to pre-
vent renewed initiation of the flushing operation before
the flush cistern has again been filled with liquid to
above a certain minimum level over the venting tube (19).

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Figure 7

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This Sheet Has Been Replaced

