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IMPROVEMENTS RELATING TO JACK-IN PILING SYSTEMS' APPARATUS AND THEIR METHOD OF USE

ABSTRACT

A pile driving apparatus (1) for jack-in piling system according to the invention utilises
5 two hydraulic cylinder barrels (12) moving along two vertical support structures (13). An
uppermost horizontal member (7) is employed to maintain a working space in between
the two vertical support structures (13). The actuating rods (25) are fixed to the
uppermost horizontal member (7). The cylinder barrels (12) are free in guided movement,
exerting a force on a working pile (14) with the assistance of two drive heads. In a first
10 stroke of pile driving action, the upper drive head (15) is employed to drive half of the
working pile (14) into the ground. In a second stroke, the lower drive head (16) is
employed to drive the rest of the pile (14) into the ground.

(Figure 2a)



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