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EARTH AUGER.

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Application  
**EP 79901540 A 19800604**

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Abstract (en)  
[origin: WO8001087A1] An apparatus for driving an earth auger of the type which simultaneously excavates a plurality of vertical holes via a plurality of excavating rods such as auger screws or the like to thereby form a continuous wall under the ground by mortar charged into the vertical holes, the apparatus enabling transmission of driving force to the respective excavating rods from a sole drive source by making variable the distance between the axes of the excavating rods aligned in parallel. This device comprises two drive gears provided on a motor drive shaft two gear trains formed by meshing the gear on an output shaft, which shaft is connected with the two drive gears, with the two drive gears, wherein the two gear trains are supported respectively within gear boxes to carry the drive motor on the upper stage (motor side) gear box and to rotatably support the lower stage gear box on the drive shaft to thereby allow the distance between the output shafts to be varied. Thus, even if auger screws of different outer diameters are connected to one another, an excessive gap will never form between the screws, nor will the screws interfere with one another.

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CPC (source: EP)  
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Citation (search report)  
FR 1535255 A 19680802 - TONE BORING CO

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