
August 2005

On the Cover

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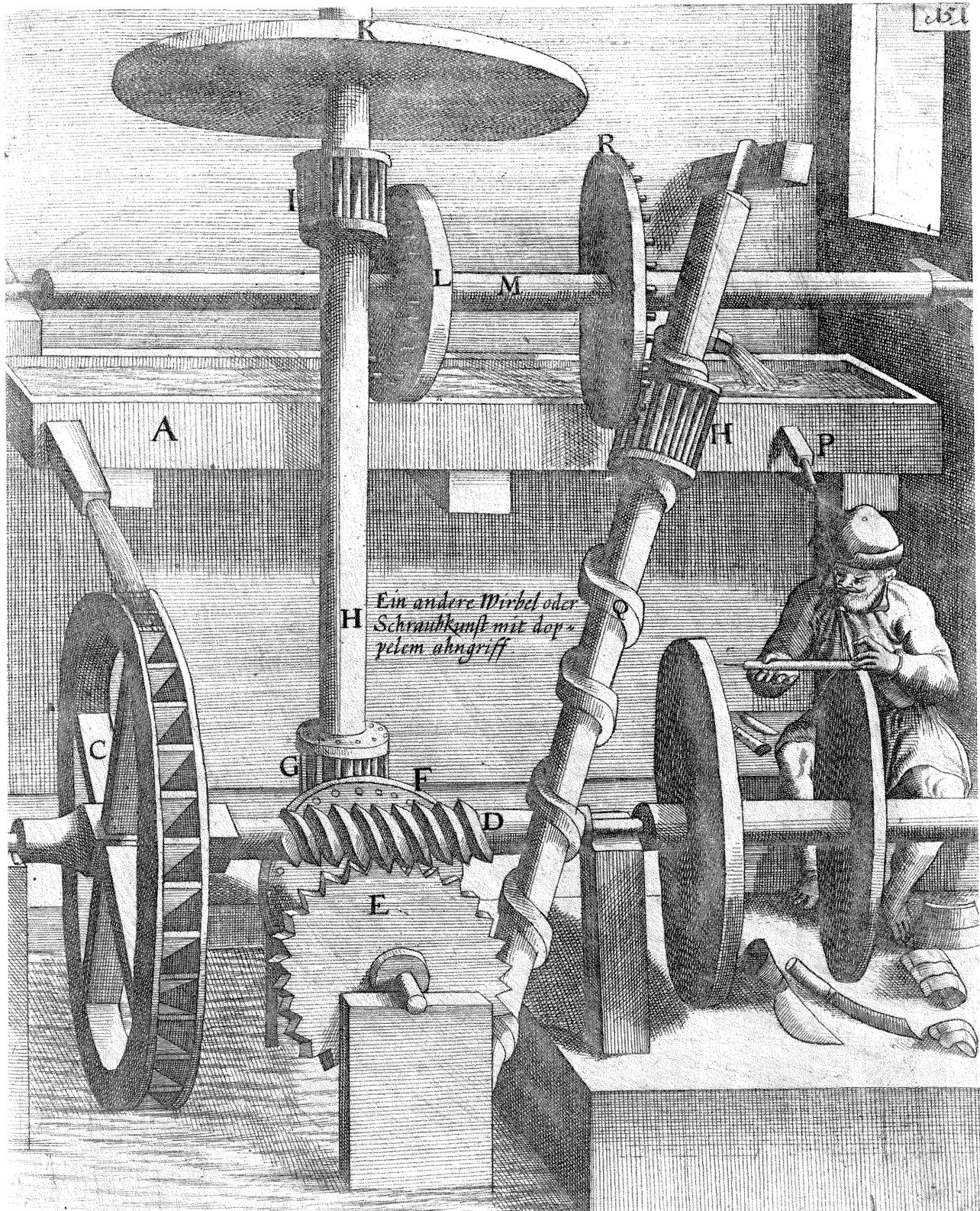
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SciTech News

The Official Bulletin for the Chemistry, Engineering, Materials Research and Manufacturing, and Science/Technology Divisions and the Aerospace Section of the Engineering Division of the Special Libraries Association



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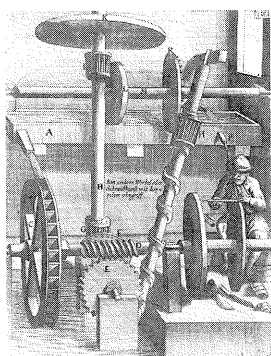
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SciTech News

Ellis Mount, Editor Emeritus



On the Cover

Perpetual motion devices were a common feature of machine books in the Renaissance and seventeenth century. These machine books contained plans for a variety of practical devices to move or lift heavy objects, pump or raise water, or grind grain. Since perpetual motion machines will not work, however, the books provide evidence that many of the devices depicted were never actually built. This particular machine shown on the cover uses a waterwheel to turn a grindstone. The waterwheel also drives an Archimedean screw, which raises the water back to the top of the waterwheel sluice, providing a "perpetual" source of energy. The engraving is from George Böckler, *Theatrum Machinarum Novum* (Nuremberg, 1673; photo and caption courtesy of the Linda Hall Library of Science, Engineering & Technology).

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