The shielding of gravity on Earth

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In fig.1 a cylindrical vessel filled to the brim with lead. Mounted vertically on the supports 1. On top of the cylinder on the support 2. Balanced scales. The balance consists of rocker AB. Counterweight P. A thin plate of mass m. Suspended at the point the Laser pointer V. E fixed at point B. The Beam of light from the pointer E is directed to the line CD. The mass of lead M >> m. The plate m is in the protective glass. Protecting her from air threads. Protective glass is suspended on supports 3. All the supports are independent from each other. The plate m is as close as possible to the surface of the lead KL. The AB rocker parallel to the surface of the Earth. When Troubleshooting bearings 1 cylindrical vessel begins to fall. At the beginning of the falling cylinder. KL over the surface of the Earth's gravitational field should weaken. The balance of the scales is broken. When this beam of light on the line CD moves up on the line. The height of the cylindrical vessel must be at least two meters. Diameter of not less than one meter. The counterweight should not hang over the segment KL.