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Shawn Rafalski* (shawnrafalski@gmail.com), Department of Mathematics & Computer Science, Bannow 15, Fairfield University, Fairfield, CT 06430. *Rigid 2-orbifolds in hyperbolic 3-orbifolds.*

A hyperbolic turnover is the orbifold analogue of the hyperbolic 3-holed sphere. It is a theorem that mapping a turnover by an immersion (which is not an embedding) into a hyperbolic 3-orbifold places strong restrictions on, among other things, the volume of the 3-orbifold. This theorem has several interesting corollaries that are very reminiscent of some well-known results on certain surfaces in 3-manifolds. (Received August 16, 2008)