

Meeting: 1003, Atlanta, Georgia, SS 21A, AMS Special Session on Mathematics and Mathematics Education in Fiber Arts

1003-00-1279 **Susan Goldstine*** (sgoldstine@smcm.edu), Department of Math and Comp Sci, St. Mary's College of Maryland, 18952 East Fisher Road, St. Mary's City, MD 20686. *Fortunatus's Purse*.

'You have heard of Fortunatus's Purse, Miladi? Ah, so! Would you be surprised to hear that, with three of these leetle handkerchiefs, you shall make the Purse of Fortunatus, quite soon, quite easily?'

–Lewis Carroll

When its mouth is closed, Fortunatus's Purse is the real projective plane, the lesser-known sibling of the Klein bottle. By almost following the directions from Lewis Carroll's Sylvie and Bruno, we may produce a satisfying model of this charming manifold. (Received October 04, 2004)