We give a new description of the picture group and show how to use pictures to define maps between second homotopy groups of line arrangements. The set of finite line arrangements has a partial ordering with the property that if $A > B$, then the maps are well-defined homomorphisms from the second homotopy group of the complement of $A$ to that of $B$. If additionally $|A| = |B|$, then the homomorphisms are injective. (Received January 31, 2008)