Feature Engineering Report

Target Column: Survived

Most Relevant Features:
- Sex (Score: inf, Correlation: -1.000000)
- Name (Score: 9.030075e+00, Correlation: 0.866386)
- Pclass (Score: 2.400000e+00, Correlation: -0.666667)
- Fare (Score: 2.247045e+00, Correlation: 0.654408)
- Cabin (Score: 1.800000e+00, Correlation: 0.612372)

Target Column: Pclass

Most Relevant Features:
- Fare (Correlation: -0.977498)
- Cabin (Correlation: -0.918559)
- Age (Correlation: -0.707989)

Target Column: Fare

Most Relevant Features:
- Cabin (Correlation: 0.981179)
- Pclass (Correlation: -0.977498)
- Age (Correlation: 0.730448)