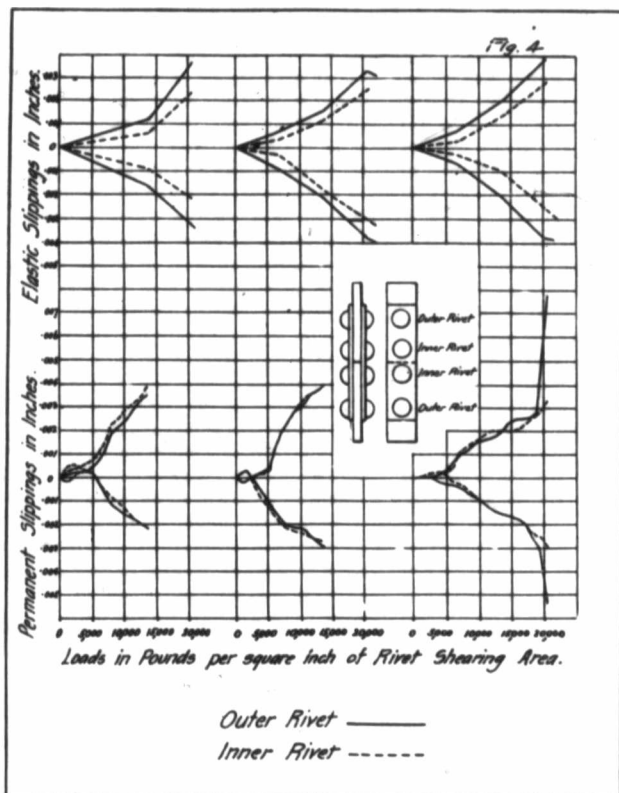


slippings. The elastic slipping of the inner rivet is shown, within the ordinary limits of loading, to be about the same as for the outer rivet, but that for the middle rivet is much less than for either of the others.

In Fig. 4 are given the plotted results for three typical hand-riveted specimens with cover plates the same thickness as the



main plate and with four rivets. The elastic slipping is seen to increase uniformly with the load for both outer and inner rivets up to a fairly well-defined point for each rivet, while the permanent slippings are somewhat irregular. Taking the average of all the specimens tested in this series, however, the permanent slippings are fairly uniform up to a well-defined point and about equal for