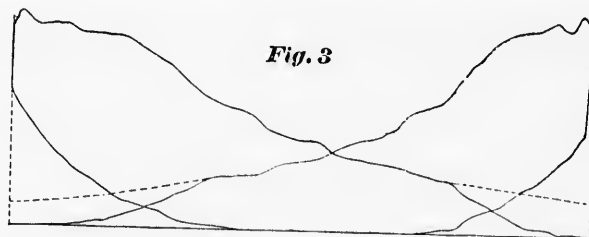
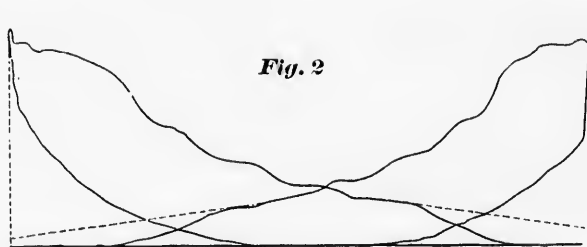
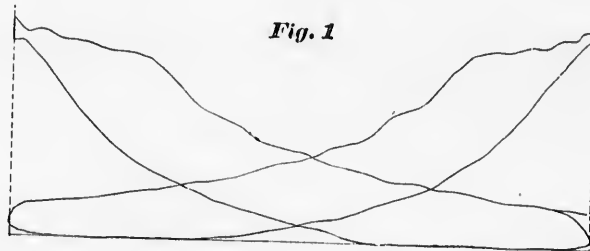


weighed. Indicator cards were taken every five minutes, the indicator being cleaned and oiled between each three cards. Readings of the revolutions, temperatures, pressure, etc., were also made every five minutes. The water was collected in barrels, and weighed each fifteen or twenty minutes. The weighings agreed very well among themselves. All tests were



an hour or longer in duration. In order to make certain that the tests were long enough to insure the proper accuracy, the steam per hour per horse-power was calculated for the first half of five of the runs, and the maximum discrepancy between the results for the first half of the runs and the entire runs was found to be one-tenth of a pound of steam per hour per horse-power, or about one-fourth of one per cent. this is less than the