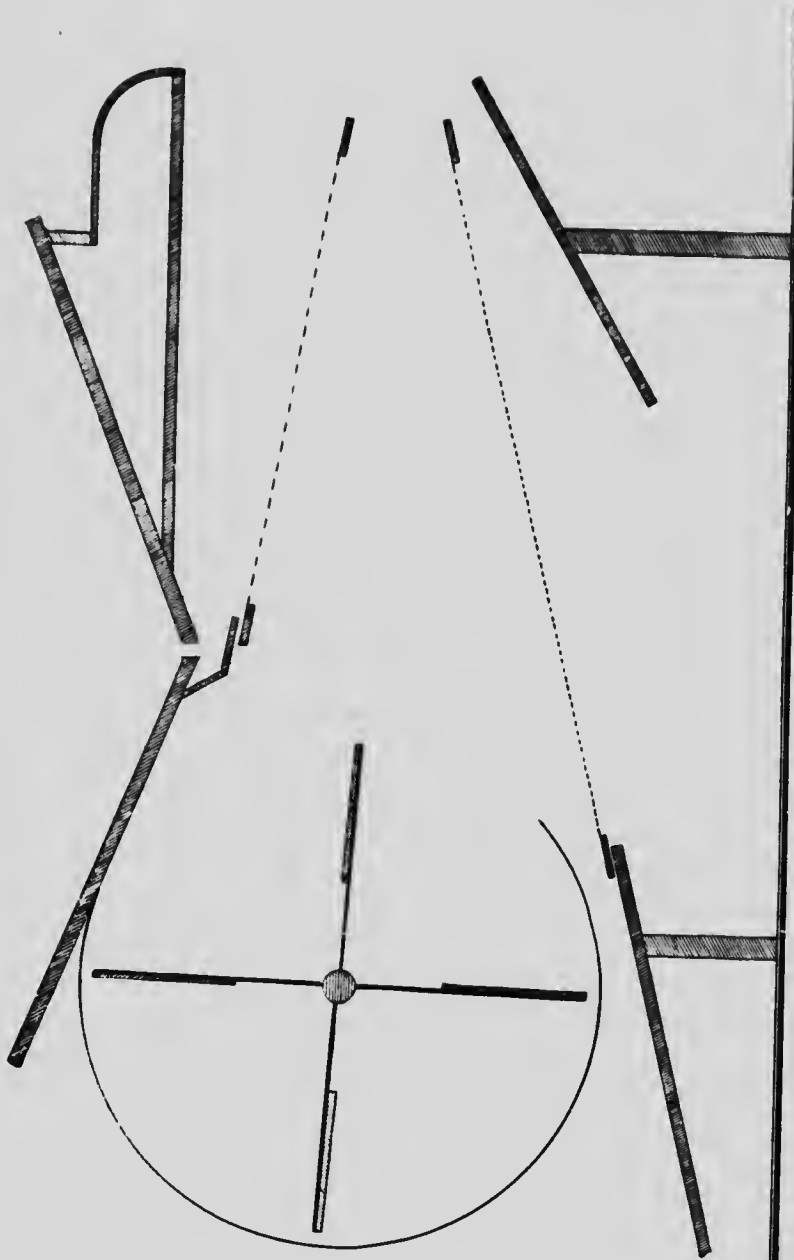




*Diagram 1.*—The principal features of an ordinary fanning mill are a hopper to contain the seed to be cleaned, an upper sieve or riddle, lower sieve or screen, and a fan to produce a blast. An adjustable opening in the hopper controls the rate at which seed is permitted to reach the riddle. In different mills the seed is directed so as to strike the seed in several ways: (1) as it falls from the board under the hopper to the riddle, (2) upwards through the lifting straws and chaff off the sieve and floating the lighter seeds over the end, (3) as the seed falls from the upper to the lower sieve. In another type of mill the air blast is directed upwards through the falling stream of grain as it comes off the screen.