

ABSTRACT**APPARATUS FOR STIRRING WITH AUTOMATIC SHAFT
COUPLING MECHANISM**

The present invention provides an apparatus for stirring which allows
5 automatic coupling of the motor assembly with the stirring shaft. The
apparatus comprises a housing, a detachable stirring shaft with an
engagement head, a motor assembly and retaining means. The retaining
means supports the stirring shaft in a receiving position. The motor
assembly is fixed onto the housing, and includes a cam assembly having a
10 coupling shaft coupled to a cam device. The cam assembly is adapted to
provide an engagement position and a disengagement position of the
coupling shaft. The engagement position allows the coupling shaft to
engage the stirring shaft when the stirring shaft is placed in a receiving
position. A set of gears allows the translation of rotary movement of a motor
15 into the rotating action of the coupling shaft.

FIGURE 1