WHAT IS CLAIMED IS:

1. A cutting apparatus comprising:

a chuck table for holding a workpiece thereon; and

a cutting unit, on which a hub blade can be mounted, for cutting the workpiece held on the chuck table, the hub blade having an annular base with an opening defined centrally therein and an annular grindstone fixed to an outer circumferential edge of the annular base,

wherein the cutting unit includes

a spindle,

a mount base fixed to a distal end of the spindle and having an annular coupling face extending around an axis of the spindle and external threads on a distal end portion of the mount base,

a ring-shaped ring mount having an annular support surface supporting a supported face of the annular base of the hub blade, wherein the ring mount is removably coupled to the coupling face of the mount base such that the ring mount is positioned between the coupling face of the mount base and the supported face of the hub blade,

a coupling mechanism coupling the ring mount to the coupling face of the mount base, and

a nut threaded over the external threads of the mount base, and

the annular base of the hub blade is sandwiched in place between the nut threaded over the external threads of the mount base and the ring mount.

2. The cutting apparatus according to claim 1,

wherein the coupling mechanism includes

a pin including a neck projecting from the coupling face of the mount base in an axial direction of the spindle and a head disposed on a distal end of the neck,

a hole defined in the ring mount for receiving the head of the pin inserted therein, and

an arcuate oblong hole defined in the ring mount for receiving the neck of the pin inserted therein to allow the ring mount and the mount base to turn relatively to each other around the axis of the spindle with the pin inserted in the hole and the arcuate oblong hole, the arcuate oblong hole extending from the hole in a direction along which the ring mount is angularly movable with respect to the mount base, the arcuate oblong hole having a width smaller than a diameter of the hole, and

the mount base and the ring mount are coupled to

each other by inserting the pin into the hole defined in the ring mount and angularly moving the ring mount and the mount base relatively to each other.

3. The cutting apparatus according to claim 1, wherein the coupling mechanism includes

a magnet disposed on either the ring mount or the mount base, and

a magnetic member disposed on either the mount base or the ring mount that is free of a magnet, and

the ring mount is coupled to the mount base under magnetic forces.

4. The cutting apparatus according to claim 1, wherein the coupling mechanism includes

magnets disposed respectively on the ring mount and the mount base, and

the ring mount is coupled to the mount base under magnetic forces.

5. The cutting apparatus according to claim 1, wherein the coupling mechanism includes

an inner wall support supporting an annular inner circumferential wall surface of the ring mount, and

the ring mount is coupled to the coupling face of the mount base by the inner wall support.