

With such difficulties to contend with, a self feeder, in order to be a practical and efficient substitute for hand feeding, must be simple, effective, durable and self governing. It must have a sufficient capacity to at least equal that of the separator, for if it feeds too slowly it wastes time, and if it feeds improperly it wastes grain. In order to properly fulfill these requirements it must be more than merely a set of band cutters and a raddle to carry the bundles. It must cut the bands without failing, distribute them evenly over the entire width of the cylinder, retard the lower part of the bundles and feed off the top in such a manner that the heads of the grain do not all strike the cylinder at the same time, but are evenly distributed throughout the straw and, above all, it must feed uniformly and at the proper angle as fast as the machine can efficiently handle the grain.

Fig. 34 illustrates a modern self feeder with crank mounted band cutters and an efficient straw and



Fig. 34

Modern Self Feeder with Crank Mounted Band Cutters and an efficient Straw and Speed Governor.