

## 148. J. I. Case &amp; Co., Racine, Wis., U. S.

## TEN-HORSE POWER THRASHING MACHINE.

*Report.*—Commended as a strong, well-made machine, capable of doing efficient work, and reasonable in price; also for capacity and general satisfactory work.

## 149. Keystone Manufacturing Co., Sterling, Ill., U. S.

## HAND CORN SHELLER.

*Report.*—Commended for being thoroughly well made and efficient; for possessing a feed hopper, which facilitates feeding, allowing a boy to operate as effectively as a man without it; for having a powerful winnowing fan, which removes chaff, etc.; for heavy fly wheel, which gives steadiness to the mill, and reduces the labor of working; and for utility for small occupations.

## 150. Wheeler &amp; Melick Co., Albany, N. Y., U. S.

## STRAW PRESERVING RYE THRASHER.

*Report.*—Commended for special arrangement of concave on springs, allowing of considerable variation in case of a large quantity of straw passing the drum; and for the arrangement of the drum beaters securing desired effect.

## 151. Jos. K. Mount &amp; Co., Hightstown, N. J., U. S.

## CHAMPION HAY CONVEYER.

*Report.*—Commended for simplicity of construction, strength and ease of motion, secured by having four friction rollers. While the load is being made and raised, the conveyer is secured in position by a lock lever; the pulley wheel or ring of the fork striking a rod in connection unlocks the lever, and the strain of the rope, actuated by the power below, immediately causes the conveyer to travel along the rail to any required point, when the load is discharged. This is a most desirable addition to the ordinary unloading fork, which, without such assistance, must discharge the load only at a given point, from whence it must be removed by manual labor. With this, no matter what is the size of the barn, one man, or a man and a lad or girl, can shake up and stack the hay as fast as it can be elevated. The conveyer well braced, and a guide from lower side of the lever prevents the rope getting off the pulley. No injury can be done to the roof by the rail, since the latter is secured to the rafters in such a manner by clips as tends rather to truss the roof than otherwise.

## 152. Warder, Mitchell, &amp; Co., Springfield, Ohio, U. S.

## CHAMPION SELF-RAKING REAPER.

*Report.*—A strong, well-made machine, on the same principle as the Champion machines, differing slightly in some of the minor details; thus, the rake gear cams are placed vertically with flanges. The cam gear is placed nearer the table. The rakes act in a nearly parallel direction above the knife, securing a level deposition of grain on the table, and well-made, tidy gavels.

## 153. Thomas Hazard, Wilmington, Ohio, U. S.

## CHAFF CUTTER (KEYSTONE COMMON SENSE).

*Report.*—Commended for an ingenious arrangement of steel springs in front of mouth which steadies the knife and holds the straw while it is being cut off. The upper edge of spring comes in front of the material that is being cut, and prevents a ragged tearing action. Also for the manner in which the speed of the upper feed roller is regulated, and consequently the change of cut effected, which is done without change of wheels.