H. R. EASTERLING.
Improvement in Gin Gearing.

Witnesses:

J. McReyns.
The D.D. Circuit.

Inventor:
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Per
Attorneys.
Improvement in Gin-Gearings.

Specification describing certain improvements in Gin-Gearing, invented by HARRIS R. EASTERLING, M. D., of Bennettsville, in the county of Marlborough and State of South Carolina.

The figure is a plan view. This invention relates to the combination of two gins placed diametrically opposite each other, and gearing with a master-wheel driven by horse or other power, the connection between said gins and the pinions that gear with the master-wheel being effected by means of sliding clutches, so that either gin may be stopped without stopping the other gin or the master-wheel.

Referring to the drawing, a is the master-wheel afixed, driven by horse or other power. Gearing with this wheel at diametrically opposite points are pinions b, of the proper pitch, said pinions being placed upon shafts c properly mounted in boxes. On each of these shafts is secured a head, d, with recesses in its outer end. The gin-shafts f are placed in line with the shafts c, said shafts f bearing saws q, (shown in dotted lines,) fly-wheels k and l, and splines, which enter grooves in clutches j that slide on the shafts f, being worked by means of forked levers m fitting circumferential grooves in the clutches j, and pivoted at o, so that by a lateral movement of the lever at its outer end the clutches j will be moved lengthwise along the shafts f, and either thrown into gear with the recesses in the ends of the heads d, in which case the gin-saws are revolved when the master-wheel a is revolved, or thrown out of gear with the heads d, in which case the gin-saws stop, whether the master-wheel stops or not. It is obvious that the clutches j can be worked independently of each other, so that the stopping of one does not necessitate the stopping of the other.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The master-wheel a combined with pinions b, shafts c, heads d, gin-shafts f, clutches j, and levers m, all as specified.

HARRIS R. EASTERLING, M. D.

Witnesses:

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