

POLISHED STEEL BALLS FOR MASSEY-HARRIS
PERFECTED BEARINGS.]

and the Rollers are so spaced as to avoid all rubbing friction and any possibility of crowding. So great is the reduction in friction when these "Perfected" Bearings are applied to a machine that the reduction in power required to run it is so great as to be almost incredible. In the ordinary bearing, no matter how perfectly fitted, oil must be freely used to reduce the friction, which increases in proportion as the supply of oil diminishes. When Roller Bearings are properly applied, as in the case of our "perfected" equipment, there is no slipping

or sliding contact, but a real rolling contact. A rolling contact means traction instead of friction. On shafts where there is a tendency to end thrust, as in the case of bevel gears, we have introduced Ball Bearings to receive the thrust, and thus eliminate the friction.

In all the principal bearings of the Massey-Harris Binders, Mowers and Cutting Boxes, especially where there is weight to carry, rollers have now been

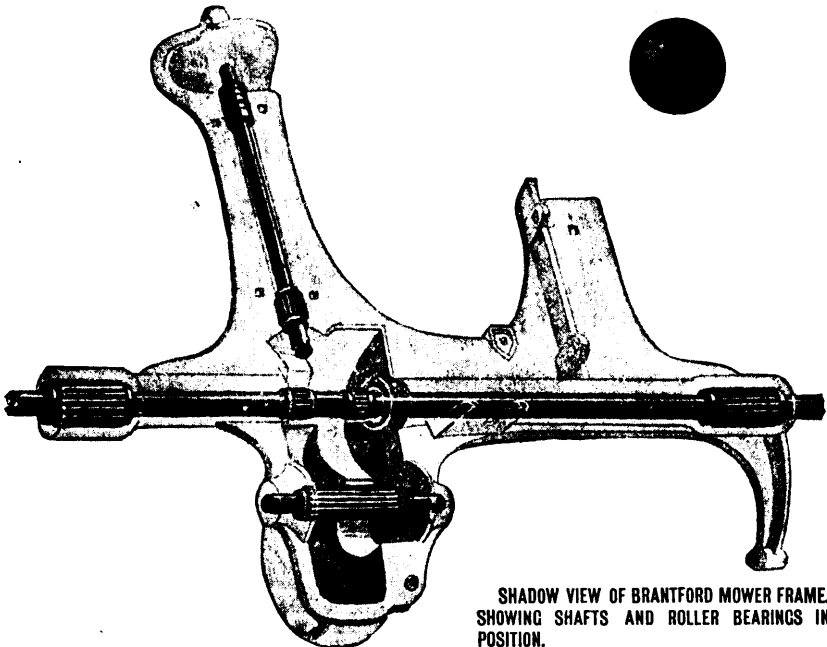


COMPLETE ROLLER EQUIPMENT.

LESS THAN 1/3 ACTUAL SIZE.

introduced, and these machines which were always noted for their very light running qualities, are now of much less draught than ever before.

The Massey-Harris line of Farm Machines for 1897 is undoubtedly the finest ever turned out from any factory.



SHADOW VIEW OF BRANTFORD MOWER FRAME.
SHOWING SHAFTS AND ROLLER BEARINGS IN
POSITION.