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Manufacturers of Hay Tools, Barn Door Hangers, Feed and Litter Carriers, Cow Stalls and Stanchions and Hardwear Specialties.

FARM AND DAIRY

extra durability of the steel track is H. Ralph St sle, Sales Mgr. Louden Machinery Co. Farmers in general often do not give the matter of hay tools the care and consideration they should. Be-

June 2, 1910.

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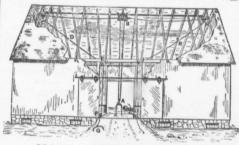
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Cares for His Machinery

lextra duralility of the steel track is above question, as is the greator cases with which the carrier will operate on the steel track, and then there is also the doing away with the fraying of the wood track, the extra space hove all the way in which the carrier above all the way in which the carrier can be fitted to the steel track which waggon



Full Arrangement of an Unloading Device in a Centre Drive Barn

Fall Arrangement of as Usloading Device is a Centre Drive Barn is always exact in size, while the that is kept in a barn or under cover when it shough it is supposed to when it is not in use will last a per-be drive is apt to vary a great deal show measurement, while another may saw a little below. We should notice also the improve-and the load taken up in three lifts and the load taken up in three lifts instead of four, as win a fork, this existed of four, as win a fork, this existed of four, as win a fork, this existed of four, as win a fork, this with lafts. The existence of the greatest tightened by the bar ar great in tightened by the bar ar great in tightened by the he short slings and t to mention the rovement over and tighten better way in which the rack is cleaned slings.

The arrangement of pulleys is a matter of prime importance. In a centre drive barn, as shown in the entre drive barn, as shown in the llustration, the pulley hooks at C and H should be acreaved into the collar beam as shown in the small cut. This collar beam should be spiked to the last pair of rafters from each end of the barn. On these hooks the pulleys C and H are hung. The collar beams may be 2x6 or 3x4, or 4x4 chamfered off thin at the ends, so that they can be properly apiked to the rafters. It is a poor plan to acrew the hook into one of the rafters because in heavy work it is liable to pull cut a single rafter. The arrangement of pulleys is a

rafter. The draft rope is shown in this illustration from the car B, through pulleys C, E and F to whiffletree through the When it is necessary to deposit the load in the other mow, the pulley C, which should be on a pulley changer, is carried to the other end of the barn



A Collar Beam to Support Pulley

and put on hook H. The draft rope may then go from B through the pul-leys H and J, or from pulley H across to E, and so down to the whillfetree, In this way no climbing will be re-quired after the carrier is installed. In the end hoist barn it is better to bring the rope through a small open-ing in the side of the barn just below the plate and down to the ground as and put on hook H. The draft rop

the plate and down to the ground as the prace and down to the ground as near as can be managed to the end of the barn furthest from the hay door. The draft will then be more door. direct and less rope will be required.

that is kept in a barn or under cover when it is not in use will last a per-son for nearly a lifetime. Before starting to work with any implement, I always have it through-ly overhauled and all nuts tightened. If harrow teeth become uneven in length, they are replaced with new ones. In all cases, the harrow teeth are sharpened before starting in with the spring seeding. As soon as we finish plowing, we go over the mouldboards with an oily eloth. The same is done with our drils; the shoes are oiled if it be a shift, and in the case of a disc whatever when star have no trouble whatever when star have no trouble whatever when star of the shoe drill or disc goes off slick right from the start without any loss of time.

O.A.C. June Excursions, 1910

Monday, June 6-C. Wellington; S. Huron; W. & N. Bruce & N. Grey. Tuesday, June 7-N. Wentworth, Wednesday, June 8-C. Simcoe; E. Huron; Welland (T. H. B.). Thursday, June 9-E. & W. Peter-boro & E. Durham; Pr. Edward & E. Hastino.

Hastings.

Astings. Friday, June 10—Haldimand; N. & Perth; W. Huron. Saturday, June 11—Lincoln; Welland

Iand.
Monday, June 13-N. Ontario.
Tuesday, June 14-W. Middlesex,
W. Kent; E. & W. Lambton.
Wednesday, June 15-E. Elgin; W. York; N. York.

Thursday, June 16-E. & W. Vie-ria; S. Norfolk. Friday, June 17-S. Grey & E. Wel-ngton; W. Simcoe.

lington; Saturday, June 18-Halton (C.

Naturcay, June 20-N. Oxford; W. Monday, June 20-N. Oxford; W. Wellington; E. Simooo. Tuesday, June 21-Dufferin & E. Wellington; E. Middlesex; N. Middles

Weilington; E. Saturation, S. Oxford; N. wednesday, June 22-S. Oxford; N. & S. Brant; S. Ontario & W. Durham, Thursday, June 23-N. & S. Water-loo; Peel; Parry Sound. Friday, June 24-E, York. Saturday, June 25-S. & C. Bruce Saturday, June 25-S. & C. Bruce

It is rumored that Prof. H. S. Ar-kell is resigning his position as Pro-fessor of Animal Husbandry at Mac-donald College, St. Anne De Bellevue.

I have taken Farm and Dairy for four years and like it for its dairy and agricultural reading. I enclose \$1 for my renewal.-J. F. Shaw, Norfolk Co. Outrin. Co., Ontario.



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capacity and lightest draft

this par T. E. BISSELL



