

miles a day, but when we had any bother we could not do it. We find that two miles per hour is all that the engine ought to do, and is more than we can average, counting going around ends and oiling up.

We broke 410 acres, then put on six plows and plowed 110 acres. We ran the plows shallow. If you want to plow deep, five plows are all the engine can pull. When we made 20 miles a day it took two men to run it, but one man ran it part of the time, and made from 16 to 18 miles per day.

We quit plowing about July 15 because the ground was so dry. We used from one to two barrels of water per day. When it was cool one barrel would do, but when it was hot and windy it took more. It took about 25 gallons of gasoline to break twelve acres. Our gasoline cost us 26c. per gallon.

When threshing we ran a 28-inch cylinder Case separator with engine, and threshed over 1500 bushels of wheat per day. When there was no bother we had from 5 to 6 stook teams. I don't think that plowing is any harder on engine than threshing, excepting the wear on the gears from dust.

After threshing we plowed some over 150 acres. We could have plowed as much more, but we stopped to draw grain to market.

There is a lot to learn about the engine first year, unless a person has had practical experience. A gasoline engine is not like a steam engine. Some little thing will put them on the hum, and you may lose a number of days trying to find out just where the trouble is.

Yours truly,
E. F. Kinney,
Eyebrow, Sask.

Used Engine for Harvesting.

I have an International Harvester Co. engine, 20 horse power, with which I haul six 14-inch John Deere plows in stubble plowing with Kramer Rotary harrows attached, thereby harrowing as fast as plowed. I do this with the services of one man on the outfit at a time, changing off about every five hours. The cost of labor, gasoline and oil is 75c. per acre on 160 acres, that I kept strict account of.

Next, I did practically all my seeding last spring with engine, hauling two 20-double discs. Superior seeders with small land packers attached, which is a decided success. I also had harrows hitched behind engine, ahead of seeders. The outfit was operated by two men, one to steer engine and other to fill seeder boxes and keep an eye on the three different implements we were operating.

For hitching seeders I put a 4 x 6 inch timber on rear of engine platform, then put short tongue in one seeder and hitched up close to the harrows, which are partly under the platform of engine. The rear seeder has lengthened poles or tongues, so as to let its one wheel back of front

seeder in proper place. The poles are worked on a sort of a bolster, with a bolt so as to allow turning, and seeding is done by setting stakes and hitching out like lands same as plowing, only much larger. I seed and harrow and pack on an average of 50 acres per day, this being done at an expense of 25c. per acre, including gasoline, oil and two farm laborers. I also have another man with horses to help do this work, by bringing out gasoline each morning and doing all sorts of odd jobs, such as bringing seed to field, and at times hitching to another seeder to finish the lands if they don't come out even, also sow in the sloughs which are too wet to sow with engine.

I had great success with engine last season in harvesting, by hauling three 8-foot binders from early morning till late at night, only stopping 30 minutes at meal times. Binders were hitched by my own get up: First binder having short tongue hitched up close to engine; second binder hitched by chain running through the frame of first binder up to engine, and the tongue of second binder truck is set at an angle of about 45 degrees, which is done by boring new holes in tongue to fasten braces to, thus leaving truck wheels straight and tongue at an angle up to the goose neck of front binder, fastened by a clevis chain being hitched to frame binder at the end of short tongue; the third binder is hitched exactly as second binder is by a little adjusting of chains. Each binder cuts its full width. This is very easy work on the engine.

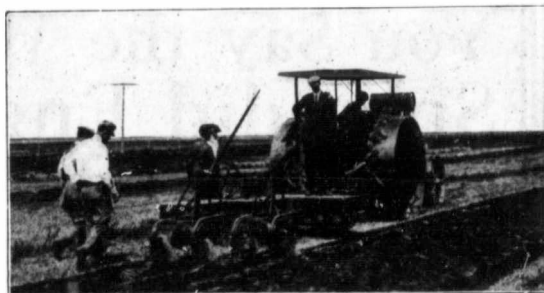
Now, when first starting to cut I take the rear binder off, hitch horses to it and give the corners a nice round appearance. The team cuts these blocks all off by the time the engine makes a couple of turns, then I hitch the third binder to engine again and away we go; no changing or tired horses, and with a crop like we had here last season, we could do a better job than could be done with horses, as all a man has to do is to operate his binder, and no driving to be done. Of course it takes a man for each binder and one to operate the engine, steering being the principal job.

It cost me about \$7.00 per day of ten or eleven hours for gasoline and oil for my 20 horse power engine, and I figure that I do the work of about sixteen or eighteen horses daily, which would take four or five men to handle. I only use two men with my engine, thus saving the wages of three men and board, which is a big item in this country.

We use about 40 gallons of water per day for cooling purposes.

I also use my engine for threshing, having a 28-42 inch separator, Manitoba Champion, which does first class work. I threshed 1500 bushels of wheat last year in one day, which I consider good in such a light crop as we had. I have six bundle teams, which are kept busy and keep the outfit going.

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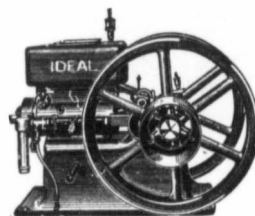
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