

cars to so many practical uses as Mr. Marshall Haines, of Halton Co., Ont. Mr. Haines does not object to my using his name, as he is generous enough to want to give others the benefit of his experience. My friend is a large potato grower, with early potatoes a specialty. Tomatoes are also grown extensively. And both are marketed in Guelph, 17 miles away, with a Ford automobile. Mr. Haines frequently takes three trips a day, and it is a common sight along the old Brock road to see the Haines touring car, piled high with bags of potatoes or baskets of tomatoes, speeding on to Guelph. His car has opened a market to Mr. Haines that he could not easily reach in any other way.

Last fall Mr. Haines found a new use for his

car. He purchased an auto-power attachment for \$50. This device is fitted onto the car or removed in just a minute or two. It enables the car owner to develop up to 18 horse power and harness it to all the power requirements of the farm. Last fall Mr. Haines filled his silo with the power developed by his Ford car. He also cut his year's wood supply, and the neighbors who helped assured him that it did the work more expeditiously than any gasoline engine they had seen in operation that season.

"But isn't it hard on the car harnessing it to such heavy loads?" I asked Haines, junior, who is almost as great a car enthusiast as his father.

"We haven't noticed it," was the convincing

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Farm Machinery---25 Years Ago and Now

Not Much Improvement Has Been Made in Many of the Commonest Farm Implements

BY "A ROLLING STONE"

SINCE coming back to the land I have been very much struck with the small amount of improvement that has been made in most of our common implements during the last 25 years. It is just about that length of time since I left my father's farm to learn a trade in the city. I was then a full grown man, with plenty of experience in driving all the machines which my father had purchased. Nor had he been at all

wide, while in the West the eight-foot cut is common, but with the exception of a few minor details they are constructed on exactly the same principle as the binder which we purchased 28 years ago.

Previous to buying this machine we had, if I remember correctly, only one crop cut by a binder. It was owned by a neighbor, and it was one of the first binders in the neighborhood.

I remember what a curiosity it was. It had what was known as an Appleby knoter. In every sketch of the development of the binder appears the name of Appleby, one of the inventors who did much to perfect harvesting machinery. I suppose that this knoter was one of his inventions. Previous to the year in which we had our crop cut with this binder we used a reaper that was purchased before the time to which my memory goes back. It was known as the Harvest Queen, and was, I think, made by a firm in Allis-

ton. I was very much interested while in Western Canada to see that they are still using reapers in cutting the flax crop. Upon closely investigating one of these new reapers I found that it was practically the same in principle as the old Harvest Queen.

Regarding grain drills, it must be over 30 years since my father purchased a drill which, I be-



In the Hayfield.

Eunice Buchanan, a well known New Brunswick writer on agricultural topics, is here seen lending a helping hand in the busy season.

lieve, is still doing service in the neighborhood. It was made by a Brantford manufacturer named Wisner. It was a 16-hole drill and did its work just as satisfactorily as the drills the neighbors around here are using at the present time. Of course most of them now use disk drills. Most of them are wider than our old Wisner, but I doubt if there is very much to choose between them in the quality of the work done.

The hay fork in my father's barn, which I understand is still giving good service, was put in position 30 years ago this summer. I don't know who made it, but it has given practically no trouble in all those years. A couple of new ropes have been purchased, but that is practically all the expense that has been placed upon it. The track is a three-quarter inch round steel rod, without support except at the ends of the barn and at the gate, which is placed centrally over the threshing floor. Sling attachments have been much improved since this outfit was purchased, for with the slings that went with our outfit the load had to be built in two parts, and so they were not much used. The fork, however, handled hay and peas well. While speaking of hay forks, I might mention an old harpoon fork that used to hang in our implement shed, but which I never saw in use. It was purchased over 50 years ago. There was no track for it, the rope passing directly from the fork through a pulley on a beam at the back of the mow and then out through the side of the barn, where a board was taken off to allow

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Clearing the Way for the Use of Farm Machinery.

Stump puller at work on the farm of Jas. Young, New Ontario.

backward in keeping his farm well supplied with up to date equipment. He dabbled a little in the local implement trade, and as he was business man enough to see that he could scarcely hope to sell a machine which he did not possess for his own farm, he was usually supplied with the latest thing in farm equipment that the manufacturers had to offer. Well, when I came back to work on the farm, I expected to find that a perfect revolution had been effected during the 25 years that I had been engaged in other pursuits. I found, however, that I could very well undertake to run a modern farm with the same implements that we had on my father's place 25 or 30 years ago.

Take binders for instance. The old Harris binder that we had was purchased about 28 years ago, and I understand that it worked for 12 seasons before it was finally disposed of. The binder did just as good work in the summer months as the most up to date machine I have seen in operation. A few changes had been made for the better, one of which is that our binders are now made open behind. The main tendency, however, seems to be to produce bigger machines. Our old binder cut a swath only five feet wide, but we could have had a six-foot make if we had known enough about binders to make so wise a choice. Now, of course, most of the binders in use are seven feet



Side Delivery Rake and the Hayloader. Among the Latest Additions to the Farmer's Equipment.