

RECENT DEVELOPMENTS IN HANDLING CONVENTIONAL BALES

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It is truly an honor and privilege to be here and to be representing the Sperry New Holland company.

Few people, if any, know more about alfalfa than you here today. And as you know, we at Sperry New Holland share that interest. Virtually all of New Holland's life has been spent in making machines to handle quality hay. There have been many successes and some failures leading to where we are today, and without question, there will be more of both in order to get you new and better equipment.

New and better has been our goal for more than three quarters of a century. Your acceptance of the results of this effort is the prime factor that enabled Sperry New Holland to grow from a small country machine shop into a world-wide organization marketing its products in more than 78 countries. The New Holland Machine Company got its start back in 1895 by introducing a special kind of gasoline engine with a tapered chamber for cooling water to prevent damage to the engine when the water froze.

Simple? Yes, but no one had thought of it before, and thousands of New Holland engines were soon helping farmers to get the job done in foul weather as well as fair.

That was Sperry New Holland's first "first", and the company began its steady climb to success. Besides gasoline engines, the early craftsmen turned out feed grinders, wood saws, iron troughs, grist mills, and other farm machinery.

The next big idea was a long time in coming but it was worth waiting for and it rocked the foundation of an ancient farming practice--haymaking. Sperry New Holland was reorganized in 1940 and began producing the world's first automatic pickup hay baler. Coming along during World War II when farm labor was short and food production needs were great, the automatic baler was a tremendous success.

After the war, the importance of the automatic baler certainly didn't diminish. A new trend in agriculture called grassland farming helped too. It showed farmers that properly managed forage production could pay off just as handsomely as the glamour crops like corn. In 1947, the Sperry Corporation became interested in farm mechanization just as our need for capital for expansion became critical. Negotiations were successfully concluded for the entrance of New Holland into the Sperry family.

As the product line expanded and Sperry New Holland became the world's largest manufacturer of specialized farm equipment, innovations continued to play an important role.

The Haybine[®] mower-conditioner was invented and introduced by Sperry New Holland. The automatic bale wagon was invented by the Harobed Company at Fowler, California, and became part of Sperry New Holland in 1962. Both have played their part in modernizing hay production, so important to our livestock industries. This is where our story begins as this is what I would like to talk to you today about--our automatic bale wagons made right outside of Fresno here in Fowler, California. In 1962, the acquisition of the Harobed Company completed our mechanized system for the big hay growers and shippers.

From 1962 until today the line has expanded to the point where we have a model for every need. There are five pull type models, three self-propelled, and two retrieving units.

Two of the pull type models unload one bale at a time plus stack and retrieve. The other three are strictly stacking machines with one retrieving.

Some of these machines were developed from the basic unit so they would be adaptable to Eastern operations. But we knew that there were certain things that Western haymakers were still looking for in their automatic bale wagons, and our engineers have been working on building the things you've been asking for into a special unit.

It hasn't been easy, and we've wanted to make certain what we develop is going to work. Well, I'm pleased to introduce the newest addition to our line ...

The Model 1065 automatic bale wagon introduced to our western dealers this year

It does many of the things that have been asked for by Western haymen. Things like making a block of bales that can be mechanically squeezed onto a truck. It also has an added feature of putting the bottom tier of bales on edge and the rest flat. It has the capability of making different stack sizes from 56 bales up to 72 bales. It also allows a person to unload a partial load. It does all of these completely automatically and with the greatest of ease for the operator.

Let me show you a few slides of the 1065.

SLIDE The cab is standard equipment. It also has large flotation tires with a Ford V8 361 cubic inch displacement engine.

All of our machines pick up bales,

SLIDE Load bales,

Haul bales,

SLIDE And stack bales. But the 1065 is different from here on

SLIDE The first table has the ability to place bales on edge or flat onto the second table. With the 1065, we can automatically arrange these bales on the second table in different tie patterns. This gives you stacks with the bottom tier on edge and the rest flat, all completely inter-tied. By setting this cam, you can get the size and kind of stack you want. This is different from the other bale wagons as one size stack is all that could be made.

SLIDE The stack sizes vary from 56 bales like this--all flat seven high--

SLIDE To 58 bales, bottom tier on edge seven high; or eight high like this, bottom on edge for 66 bales; or eight high, first and second tier on edge with 68 bales;

Or nine high, all flat with 72 bales. The S1048 carries sixty-nine 16" x 26" bales compared to the various size stacks the 1065 will make with the 16" x 26" bales.

New Holland offers a model 1052 truck-mounted retriever that can transport these stacks short distances and restack them. This unit has been sold for several years, but this year we introduced a new model and it is a load rack retriever for our S1048. The bed must be changed, but from there a person can retrieve stacks with the bale wagon itself.

SLIDE To eliminate this--
(Hand Loading)

SLIDE Stacks are suitable for this mechanical method. Now I have a short movie that (Squeeze) I'd like to show. It's a silent film, so I'll do the narrating myself.

M O V I E

Baled hay is still the "standard" of packaging and handling hay in California. The Sperry New Holland automatic bale wagon is the "standard" of handling these bales.

We believe there are newer and better ways of handling baled hay that are available today and will be coming along in the future. I'm not sure how many of you have had the opportunity to see operations at the Bruce Church Ranches in Blythe and over in Yuma, but here is a large operation where baled hay fits into the feedlot program and a bale is not handled by hand. Here's a clip from our annual Agri-Newsreel which will give you a look at this operation ...

NEWSCLIP

Never before in the years we have served the farmer and rancher have we felt so confident that the farm equipment industry and its customers are on the right track to a great future. We are pledged to be a part of that future by continuing to supply new and better equipment to farmers and ranchers around the world.