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## IMPROVED HARVESTING METHODS

### EQUIPMENT SURVEY NOTES

#### JACK-KNIFE SULKY

The jack-knife sulky shown in figure 1, which was demonstrated at an Ohio logging show, was designed for use with farm tractors not equipped with winches. It is based on an old principle used in the early days on "high wheels" pulled by teams, and is reported to work very successfully, especially with wheeled and small crawler tractors.

This sulky makes it possible for owners of small woodlots and with limited harvesting equipment to obtain the well-known advantages of arch skidding. Reduced sliding resistance increases the size of logs and loads that can be skidded by small tractors.

As the tractor is backed up, the sulky tongue jack-knives, lowering the top of the arch toward the load (fig. 1). A pair of tongs or a chain is then fastened to the load. As the tractor pulls ahead, the sulky tongue straightens out (fig. 2), thus lifting the load. When the tongue is straight, a lock snaps in place to hold it rigid. Care in hooking up the load is important. If the tongs are hooked too high, the maximum lift is not obtained.

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Figure 1.--Jack-knife sulky ready for hooking on to a load.



Figure 2.--Sulky tongue being pulled straight to raise the load.

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