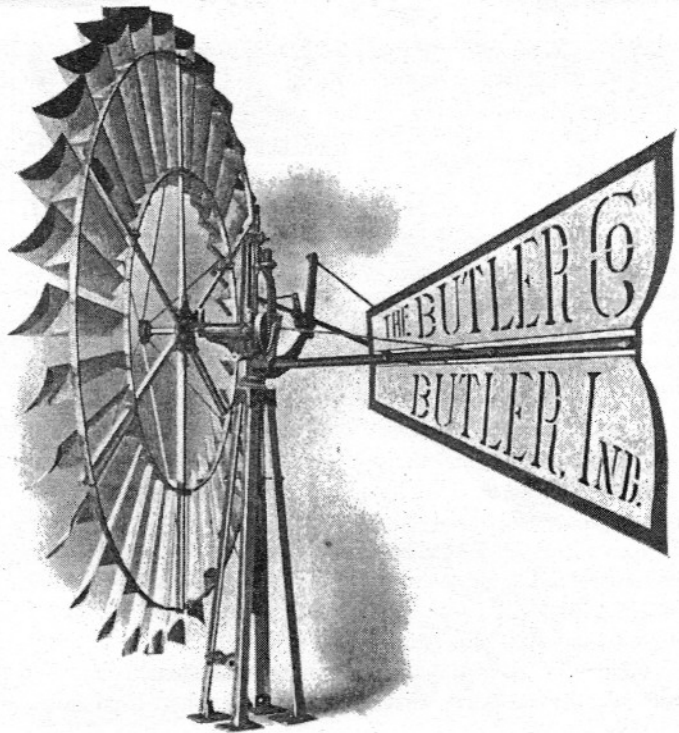
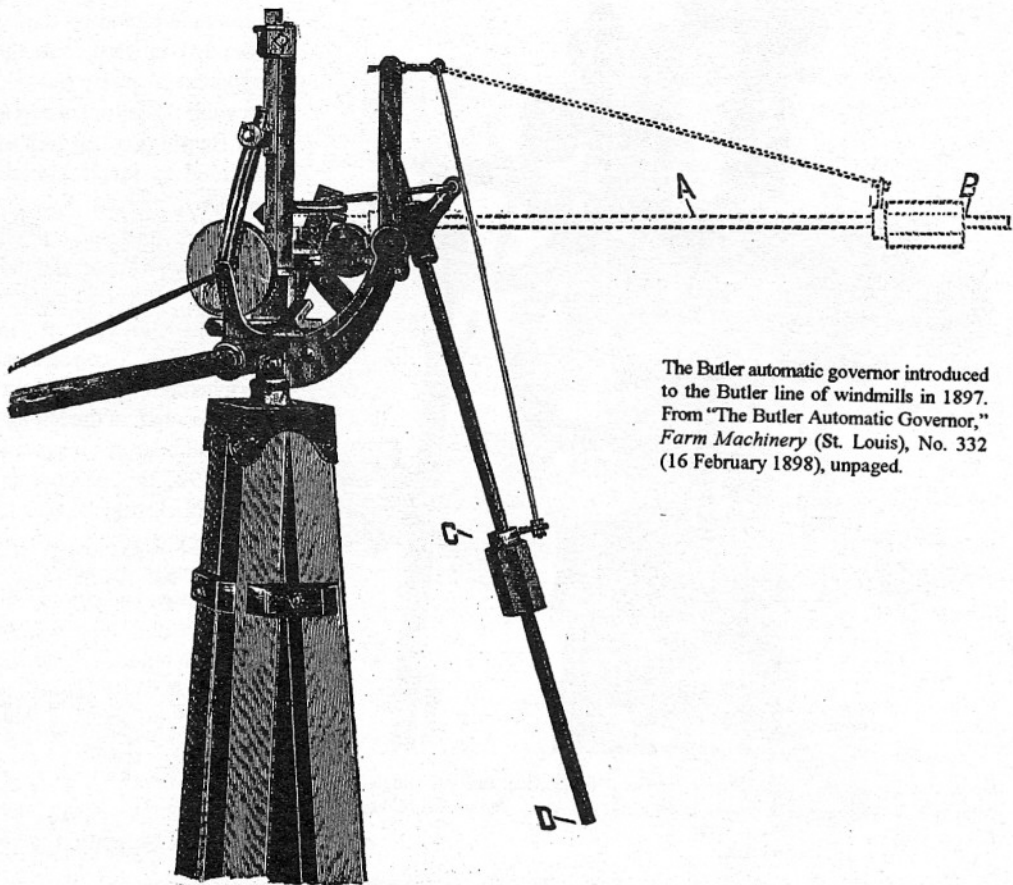


Detail of the head for the Butler Direct Stroke Wood windmill as manufactured at the turn of the twentieth century showing its original weighted lever governing system. From Butler Company, Butler, Ind., *Catalog No. 12, of the Butler Company; Manufacture of Butler Steel and Wood Wind Mills, Direct Stroke and Back Geared,....* (Butler, Ind.)

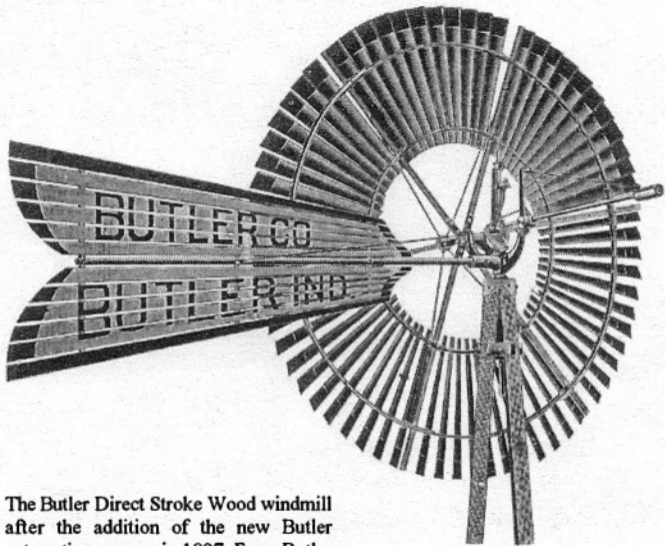


The Butler Direct Stroke Steel windmill, introduced by the Butler Company in the early 1890s and made as late as 1910. From Butler Company, Butler, Ind., *Catalog No. 16...*, p. 16.

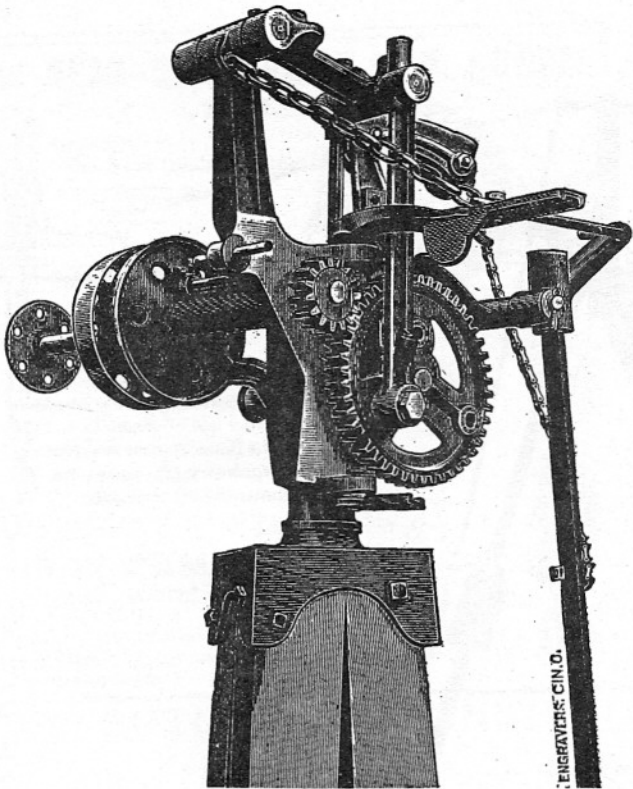




The Butler automatic governor introduced to the Butler line of windmills in 1897. From "The Butler Automatic Governor," *Farm Machinery* (St. Louis, No. 332 (16 February 1898), unpagged.

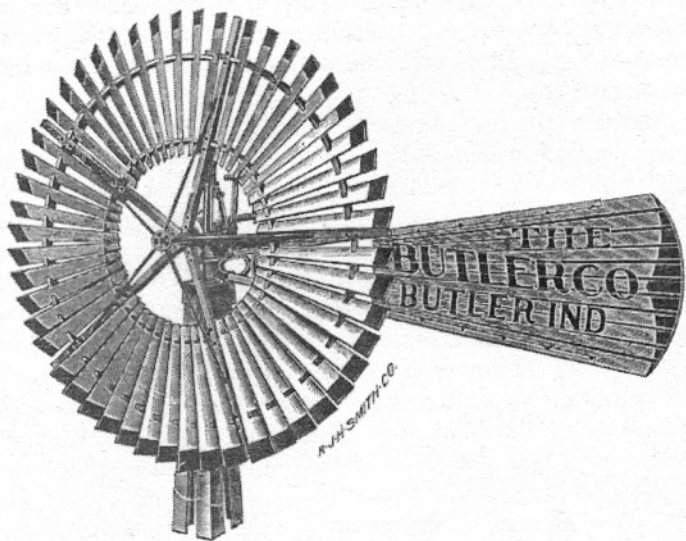


The Butler Direct Stroke Wood windmill after the addition of the new Butler automatic governor in 1897. From Butler Company, Butler, Ind., *Catalog No. 16...*, p. 12.

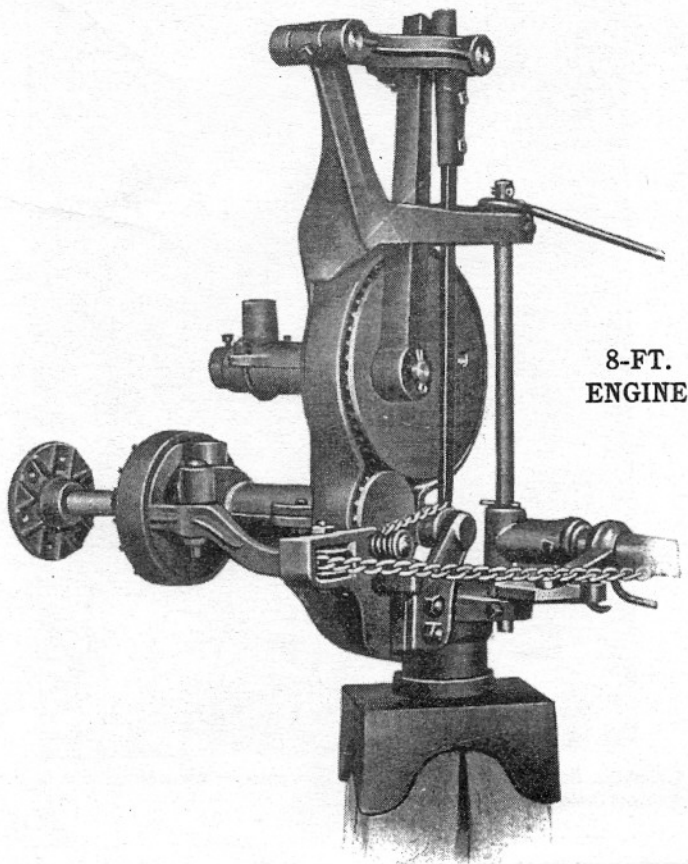


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Detail illustrating the working parts of the Butler Single Gear steel pumping windmill introduced for the 1900 sales season. From Butler Company, Butler, Ind., *Catalog No. 12...*, p. 18.



The 8-foot Butler Direct Stroke Wood windmill placed on the market in 1905. This mill used the same basic ironwork as the 8-foot Butler Jr. direct-stroke steel mill. This was one of the smallest solid-wheel wooden windmills made in North America. From Butler Company, Butler, Ind., *Catalog No. 16...*, p. 14.

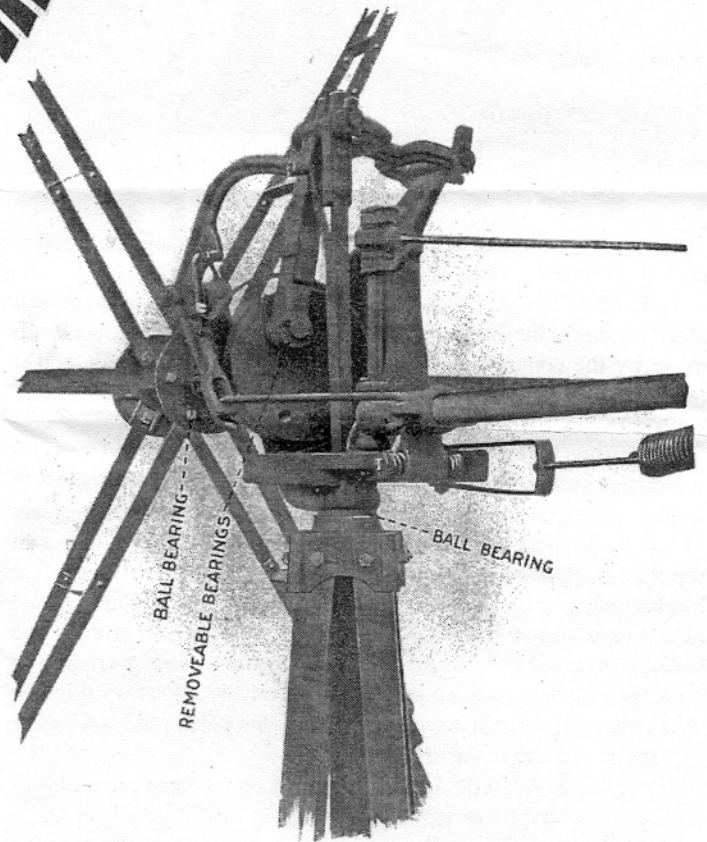
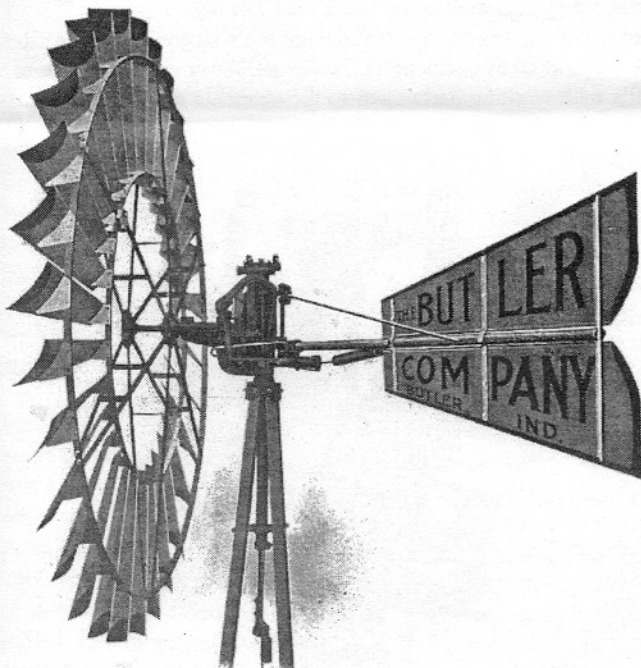
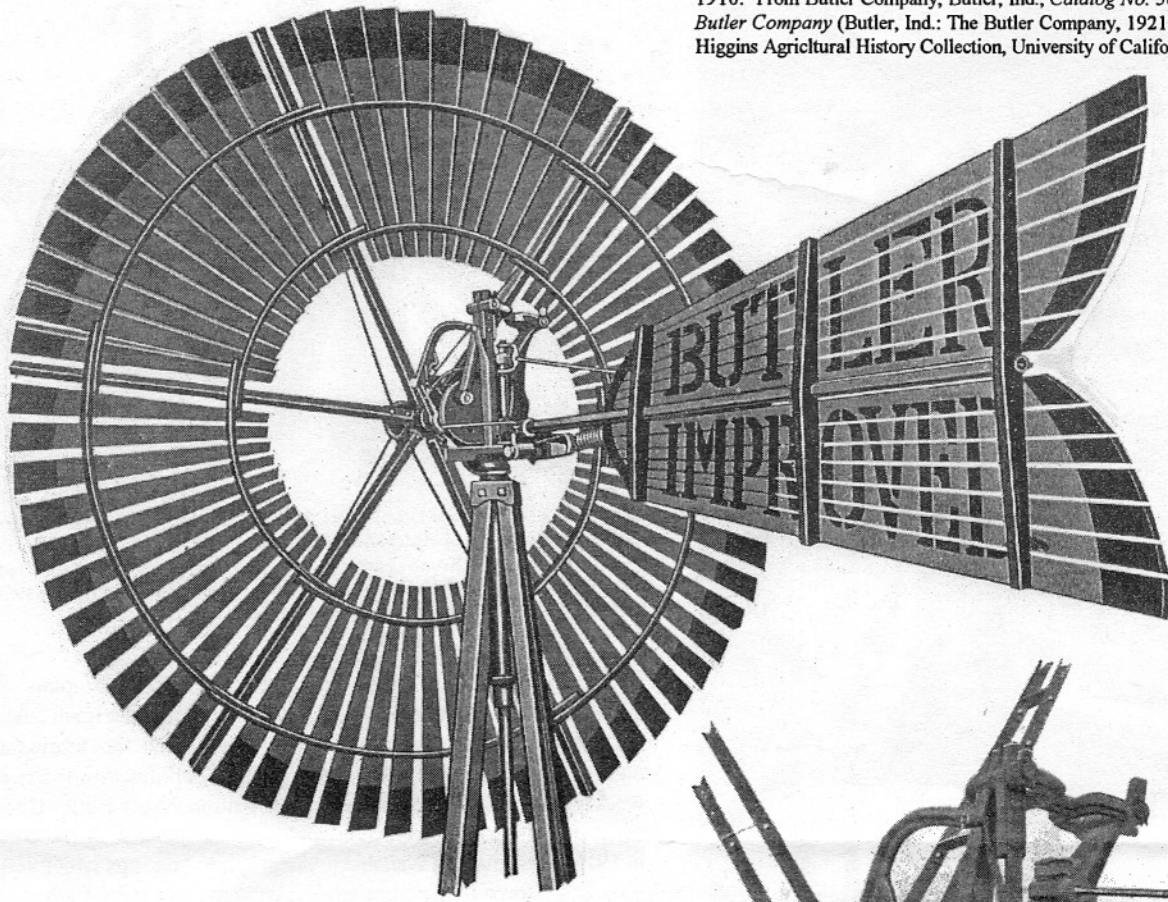


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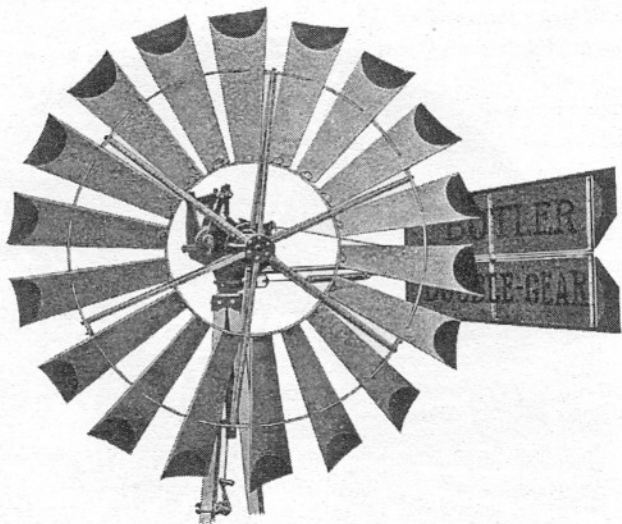
Detail illustrating the working parts of the Butler Improved Single Gear steel pumping windmill, introduced in 1905. Today this is probably the most frequently seen open-gear Butler windmill. From Butler Company, Butler, Ind., *Catalog No. 16...*, p. 20.

side of the rim

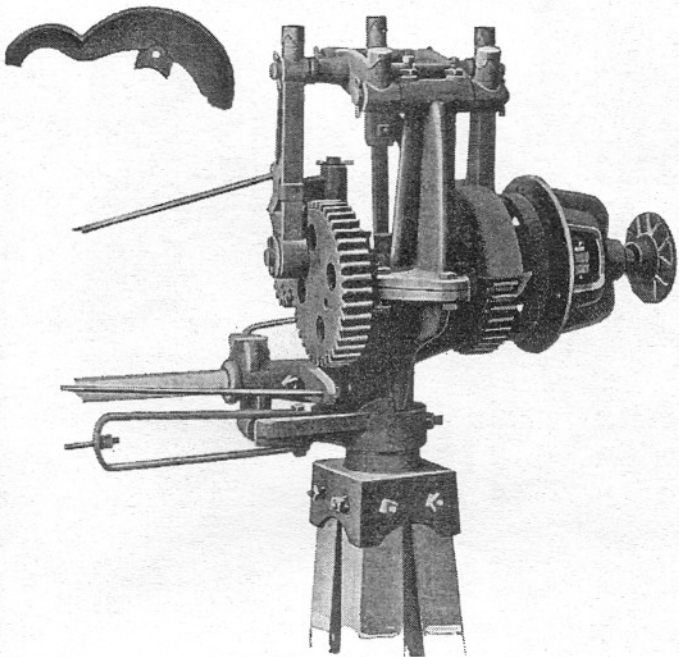
The Butler Improved Direct Stroke Wood windmill, which entered the marketplace about 1910. From Butler Company, Butler, Ind., *Catalog No. 50*[,] *November, 1921*[,] *the Butler Company* (Butler, Ind.: The Butler Company, 1921), p. 47, available in F. Hal Higgins Agricultural History Collection, University of California, Davis, California.



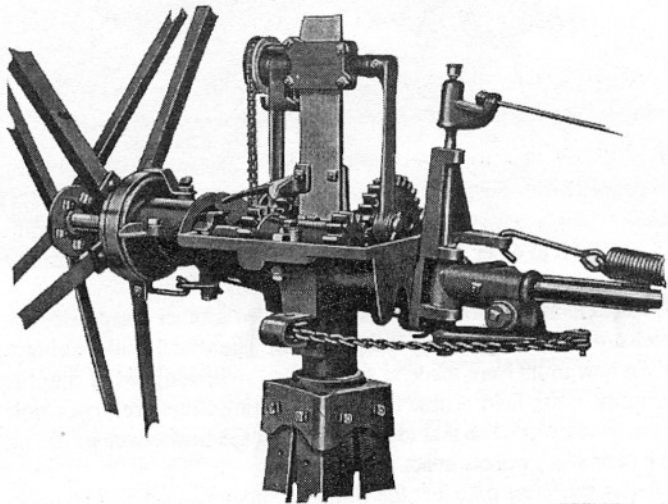
Detail illustrating the head for the Butler Improved Direct Stroke Steel windmills. From Butler Company, Butler, Ind., *The Butler Company...*, unpagged.



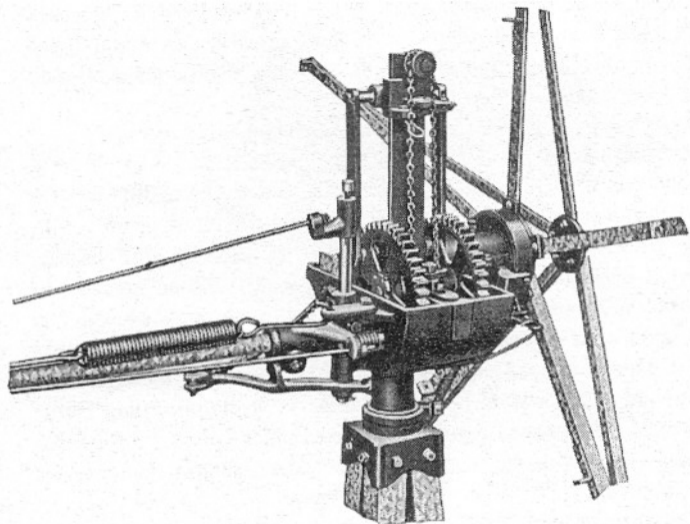
General view of the Butler Double Gear windmill, illustrating vane inscription and red painted trim on the tips of blades and the edge of the vane sheet. From Butler Company, Butler, Ind., *Catalog No. 40*[,] *May, 1916*[,] *the Butler Company* (Butler, Ind.: The Butler Company, 1916), p. 16. Available in Southwest Collection, Texas Tech University Libraries, Texas Tech University, Lubbock, Texas.



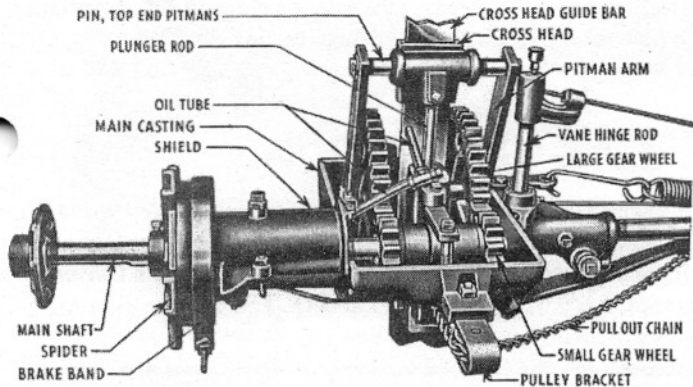
Detail showing the parts of the head on the Butler Double Gear windmill with one of the gear shields removed. From Butler Company, Butler, Ind., *Catalog No. 40...*, p. 26.



Detail of the parts comprising the head on the Butler Oilomatic Model A, including the chain-lift oiling system. The defective coil spring oil lifter used on the very first Oilomatic Model A mills was mounted on the same pulleys as the chain shown in this illustration. From Butler Company, Butler, Ind., *Catalog No. 65*[,] *the Butler Company* (Butler, Ind.: The Butler Company, [ca. 1929]), p. 10, available in Panhandle-Plains Historical Museum, Canyon, Tex.



Detail of the head on the Defiance Oilomatic Model 20 windmill, showing the revised chain-lift oiling system with the chain looped over a single pulley at the top of the pump rod guide. From Butler Company, Butler, Ind., *Catalog No. 100...*, p. 21.



Detail illustrating the lubrication system on the Defiance Oilomatic Model 30 windmill. From Butler Company, Butler, Ind., *Catalog No. 155*[,] *the Butler Company* (Butler,