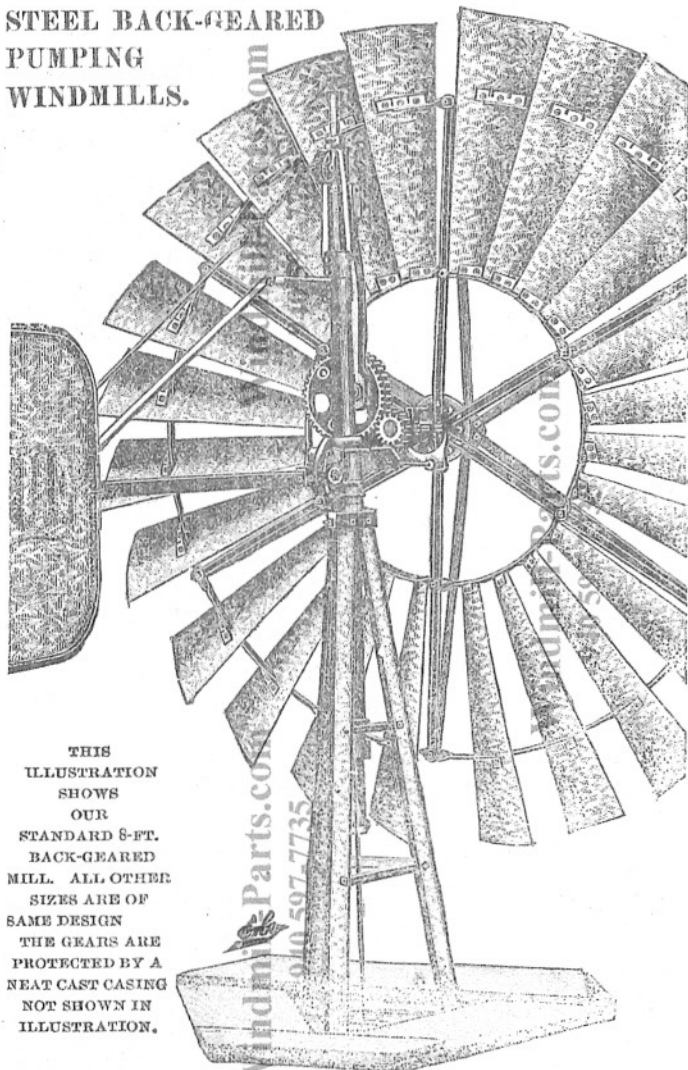


**APPLETON-GOODHUE STANDARD GALVANIZED  
STEEL BACK-GEARED  
PUMPING  
WINDMILLS.**



THIS  
ILLUSTRATION  
SHOWS  
OUR  
STANDARD 8-FT.  
BACK-GEARED  
MILL. ALL OTHER  
SIZES ARE OF  
SAME DESIGN.  
THE GEARS ARE  
PROTECTED BY A  
NEAT CAST CASING  
NOT SHOWN IN  
ILLUSTRATION.

**LIST PRICES, ETC.**

Size.	No. of Fans.	Length of stroke.	Weight.	Price.
8-ft.	24	5, 7 and 8-inch.	400 lbs.	\$ 41.00
10-ft.	30	5, 7 and 9-inch.	483 lbs.	55.00
13-ft.	30	8, 10 and 12-inch.	1,125 lbs.	100.00
14-ft.	30	8, 10 and 12-inch.	1,161 lbs.	120.00

The fans on the 13-ft. and 14-ft. mills are proportionately wider than

on the 10-ft. mill. We furnish tower irons without extra charge for steel or wood towers, or for single timber, as may be desired. See pages 65 and 66 for size mill to buy, size cylinder and length of stroke to use on different depths of wells, height tower required, etc. For description and price list of towers see pages 75 to 79.

**Eleven Reasons Why the Appleton-Goodhue Standard Galvanized Steel Back-Geared Pumping Windmill Outsells, Outworks and Outlasts All Others.**

**1ST—IT HAS A FULL WHEEL.** The greater wind surface of our full wheel as compared with windmills having only 16 or 18 fans means more power, because not a breath of air can pass between the fans of the Appleton Goodhue without exerting its power on the wheel.

**2ND—IT HAS A STRONGER WHEEL.** The strength of any wheel largely depends on the strength of the arms. The Appleton-Goodhue Standard has double arms of heavy channel steel, giving more than double strength. The slats, and the clips which are used to secure the slats to the circles, are made by special machines built for that purpose, insuring absolute accuracy of size and design. The clips are pressed to the exact shape of the curve of the slats, holding the slats firmly without straining or twisting in any wind. The circles pass through the center of the slats, balancing the strain of the wind pressure. A careful consideration of these points will convince you that we have a wheel which will successfully resist any kind of wind.

**3D—IT HAS HEAVIER, STRONGER AND MORE DURABLE GEARS** than any other. These gears are from 25 to 100 per cent heavier than the gears used on any other make of the same size, and they are completely covered with a neat cast casing to prevent the accumulation of dirt on the cogs and to prevent rain from washing away the oil. We have never been asked to replace a gear broken in proper usage.

**4TH—IT HAS SHAFTS OF COLD ROLLED STEEL** running in extra long bearings, and these bearings are so made as to be easily taken apart for repacking or rebabbiting without disturbing any other part of the mill. The best of babbit metal is used. Some of our mills have been in constant use for 10 to 15 years without any expense to their owners for rebabbiting the boxes or for any other repairs.

**5TH—IT HAS PERFECT SELF-OILING DEVICES** for all bearings, which are so simple in construction that they never get out of order, and so effective in operation as to provide a perfect, automatic

system of lubrication for all working parts with less attention than is required on any other mill made.

6TH—IT HAS AN ENGINE-WAY TOP. The pitman is a piece of hard maple, soaked in oil so as never to wear out, which connects from the crank pin to a regular engine cross-head, the construction of the parts being identical with the construction of similar parts on a locomotive. This makes all the work of the mill a direct lift, as the cross-head moves between guides without any side draft or friction.

7TH—THE SLATS ARE SET AT THE PROPER ANGLE and the gears are of correct proportion to give the right speed to the pump, transmitting to the pump rod about the same speed in an ordinary working wind as in a gale.

8TH—IT HAS A PERFECT GOVERNING DEVICE without the use of weights, springs, or other complications liable to breakage or to get out of order. We positively guarantee that on our Standard back-gearred mill the speed of the pump rod will not vary more than four or five strokes a minute whether the wind blows a gale or is an ordinary working wind.

9TH—IT EXCELS IN SIMPLICITY OF CONSTRUCTION. It stands to reason that the less working parts a machine has, and the simpler its construction, the easier it will run, and the less liable it is to get out of order or to breakage. A careful examination of the sectional illustration on page 60 will show you that the Appleton-Goodhue has only one-half to one-third as many working parts and connecting pieces as are used on other makes, although, as is clearly shown in the preceding paragraphs, it has every practical device essential to effective working qualities, and all parts are of ample size and proper design to insure maximum strength, durability, etc.

10TH—IT HAS A PULL-OUT REEL OR WINDLASS which can be attached to the tower at any convenient point and connected by wire and chain to the mill. The mill is pulled out of gear simply by winding up the chain by means of the crank which forms a part of the windlass.

11TH—IT IS AS GOOD LOOKING AS IT IS STRONG, DURABLE AND EFFECTIVE. The galvanizing is done in a careful and scientific manner and is free from blisters. The iron work is painted a handsome blue. The fans are tipped in vermilion after being galvanized. Says Mr. M. W. Willard, of Morrill, Kansas: *"I have been hurrahing for the Goodhue for the last 15 years and still know it is the best and handsomest mill on earth without any exception—the mill with a good hue (Goodhue) on it, red, white and blue."*

Emphatic confirmation of our every claim is found in the experience of practical men reported on pages 52 to 58 of this catalogue