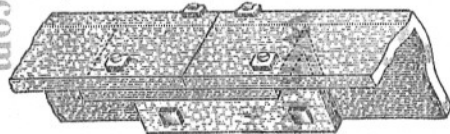


The "I X L" STEEL TOWER

Made for Durability
and not to satisfy
the craze for some-
thing "Cheap"

Look at its Construction

- and you will see that
- It has a set of girts and braces every six feet.
 - It has an upper platform four feet in diameter.
 - It has a substantial angle steel ladder bolted to one side of the tower.
 - It has braces which can be drawn tight with a common wrench.



- It has the ends of the corner posts butted together and fastened by an extra angle steel splice-plate thoroughly bolted so as to double the thickness at this point, as shown in cut.
- It has anchor posts with steel plates riveted to bottom of same, all galvanized.
- It has a construction such that its height can be increased by adding to the bottom of the tower, 12 ft. or 18 ft. sections, so that any one having a tower on hand and wishing a higher one, has only to send for the additional lower sections necessary to make it of the required height.

The Phelps & Bigelow Wind Mill Co.,
Kalamazoo, Mich.

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940 597-7735

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8-foot Back Geared Mills Galvanized with FOUR-POST "I X L" Steel Towers Galvanized.

GALVANIZED.

The Towers in this list have a set of Girts and Braces every six feet. All splices of corner posts have extra angle steel plates, and material can be furnished at any time to put 12 feet or 18 feet on the bottom, should the purchaser wish to make the tower higher.—See Cut on Page 8.

Price.

Weight, Lbs.		Price.
780	{ One 8-ft. Steel Windmill (back geared)..... One 24-ft. Four-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	\$53 00
880	{ One 8-ft. Steel Windmill (back geared)..... One 30 ft. Four-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	58 50
1015	{ One 8-ft. Steel Windmill (back geared)..... One 36-ft. Four-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	66 00
1175	{ One 8-ft. Steel Windmill (back geared)..... One 42-ft. Four-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	75 00
1320	{ One 8-ft. Steel Windmill (back geared)..... One 48-ft. Four-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	85 00
1465	{ One 8-ft. Steel Windmill (back geared)..... One 54-ft. Four-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	93 50
1655	{ One 8-ft. Steel Windmill (back geared)..... One 60-ft. Four-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	105 00

If an 8-ft. direct motion Mill is used with the above Towers the price will be \$1.00 less.
 If a 9-ft. direct motion Mill is used with the above Towers the price will be \$1.00 more.
 If a 9-ft. back geared Mill is used with the above Towers the price will be \$2.00 more.

**8-foot Back Geared Mills Galvanized with THREE-POST
" I X L " Steel Towers Galvanized.**

GALVANIZED.

The Towers in this list have a set of Girts and Braces every six feet. All splices of corner posts have extra angle steel plates, and material can be furnished at any time to put 12 feet or 18 feet on the bottom, should the purchaser wish to make the tower higher.—See Cut on Page 8.

Weight, Lbs.		Price.
730	One 8-ft. Steel Windmill (back geared)..... One 24-ft. Three-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	\$50 00
825	One 8-ft. Steel Windmill (back geared)..... One 30-ft. Three-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	56 50
930	One 8-ft. Steel Windmill (back geared)..... One 36-ft. Three-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	62 50
1050	One 8-ft. Steel Windmill (back geared)..... One 42-ft. Three-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	70 00
1180	One 8-ft. Steel Windmill (back geared)..... One 48-ft. Three-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	78 50
1320	One 8-ft. Steel Windmill (back geared)..... One 54-ft. Three-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	86 50
1490	One 8-ft. Steel Windmill (back geared)..... One 60-ft. Three-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	95 00

If an 8-ft. **direct motion** Mill is used with the above Towers the price will be \$1.00 less.

If a 9-ft. **direct motion** Mill is used with the above Towers the price will be \$1.00 more.

If a 9-ft. **back geared** Mill is used with the above Towers the price will be \$2.00 more.

**10-foot Back Geared Mills Galvanized with FOUR-POST
" X L " Steel Towers Galvanized.**

GALVANIZED.

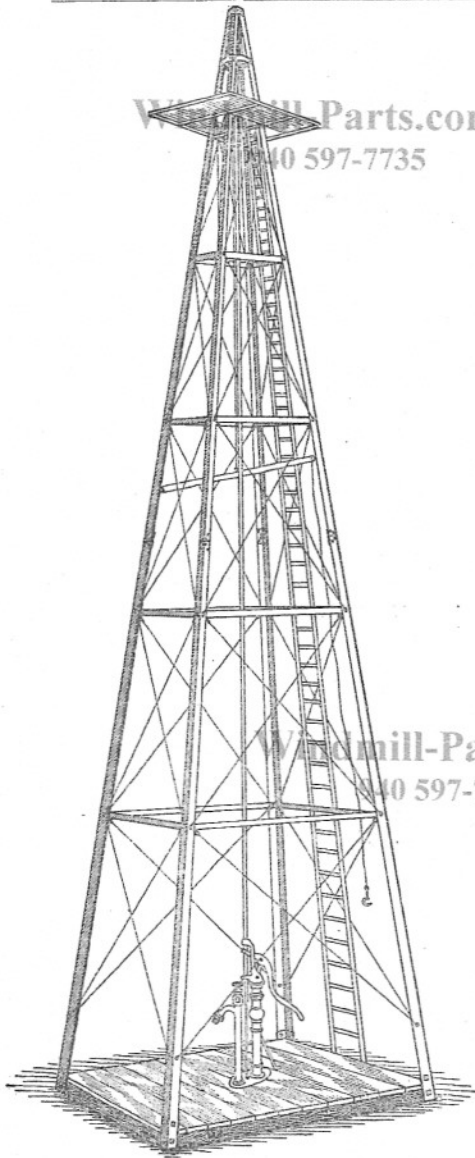
The Towers in this list have a set of Girts and Braces every six feet. All splices of corner posts have extra angle steel plates, and material can be furnished at any time to put 12 feet or 18 feet on the bottom, should the purchaser wish to make the tower higher.—See Cut on Page 8.

Weight, Lbs.		Price.
975	One 10-ft. Steel Windmill (back geared)..... One 24-ft. Four-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	\$70 00
1090	One 10-ft. Steel Windmill (back geared)..... One 30-ft. Four-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	76 50
1235	One 10-ft. Steel Windmill (back geared)..... One 36-ft. Four-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	83 00
1385	One 10-ft. Steel Windmill (back geared)..... One 42-ft. Four-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	91 50
1540	One 10-ft. Steel Windmill (back geared)..... One 48-ft. Four-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	100 00
1685	One 10-ft. Steel Windmill (back geared)..... One 54-ft. Four-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	110 00
1880	One 10-ft. Steel Windmill (back geared)..... One 60-ft. Four-Post Steel Tower..... One Set Anchor Posts..... One Set Steel Plates on bottom of Anchors.....	120 00

If the 10-ft. **direct motion** Mill is used instead of the 10-ft. Back Geared, with the above Towers, the price will be \$2.00 less.

FOUR POST "IXL" STEEL TOWERS

These Towers have a set of girts and braces every six feet.



For full description see page 8.

The Steel Towers are punched and fitted, ready to put together, and price below includes the upper platform, and all bolts necessary to put the Tower together.

STEEL TOWERS TO CARRY 8 FT. AND 9 FT. WINDMILLS.

Weight, Lbs.		Galvanized.
		Price.
380	Tower 24 ft. high	\$21 85
485	Tower 30 ft. high	27 85
620	Tower 36 ft. high	35 65
765	Tower 42 ft. high	44 00
930	Tower 48 ft. high	53 50
1095	Tower 54 ft. high	63 00
1266	Tower 60 ft. high	72 80
50	Anchor Posts....	3 85

STEEL TOWERS TO CARRY 10 FT. WINDMILLS

Weight, Lbs.		Galvanized.
		Price
428	Tower 24 ft. high	\$24 60
545	Tower 30 ft. high	31 50
690	Tower 36 ft. high	40 00
850	Tower 42 ft. high	49 00
1015	Tower 48 ft. high	58 25
1180	Tower 54 ft. high	67 85
1370	Tower 60 ft. high	78 80
60	Anchor Posts....	4 65

STEEL TOWERS TO CARRY 12 FT. WINDMILLS

Weight, Lbs.		Galvanized.
		Price.
470	Tower 24 ft. high	\$27 00
599	Tower 30 ft. high	34 50
759	Tower 36 ft. high	44 00
935	Tower 42 ft. high	54 00
1110	Tower 48 ft. high	64 50
1298	Tower 54 ft. high	75 00
1507	Tower 60 ft. high	86 00
100	Anchor Posts....	6 25

OUR "SAMSON" TOWER

COMBINES

Strength and Simplicity

In a Remarkable Degree.

Study its Construction and You Will Purchase It.

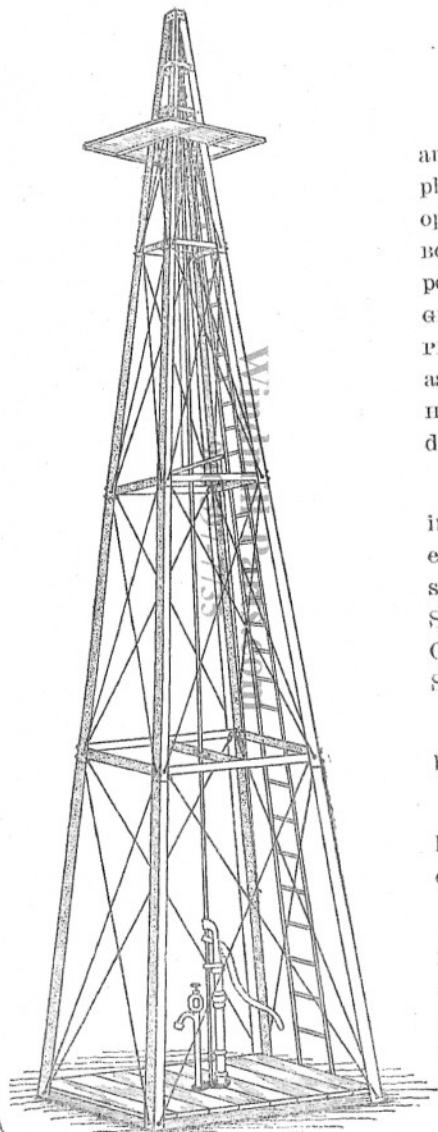
It has a set of girts and braces EVERY TEN FEET and a special construction, such, that when completed THE CORNER POSTS ARE DOUBLE at a point opposite each set of girts, and the lower end of the BOTTOM set of braces attaches to BOTH the anchor post and corner post, thus TYING THE TOWER TOGETHER COMPLETELY FROM ANCHOR POST TO UPPER PLATFORM. The braces are steel rods, and not wires, as some manufacturers use, and EACH BRACE ROD HAS AN INDEPENDENT THREAD AND NUT so it can be drawn to just the tension desired.

We call special attention to the ladder as an important part of the Tower. Ours is constructed entirely of angle steel, which makes it stiff and strong, and it is BOLTED SOLIDLY TO EACH SET OF GIRTS, making it SAFE AND EASY TO CLIMB and ADDING GREATLY TO THE STRENGTH of the Tower.

The anchor posts have steel plates riveted to bottom of same, all galvanized.

This Tower also has a steel girt at the ground line which adds both to the strength of tower and ease of erection.

We carry in stock Towers 20 ft., 30 ft., 40 ft., 50 ft., and 60 ft. in height which are interchangeable; and also 25 ft., 35 ft., and 45 ft. Towers which are interchangeable; and to any of the above heights 10-foot sections can be added at the bottom.



8 Foot Mills with "Samson" Steel Towers

These "Samson" Towers are shown and described on page 2.

Weight, Lbs.	8-foot Back Geared Mills, Galvanized, with THREE POST "Samson" Steel Towers, Galvanized	Price.
675	8 ft. Mill with 20 ft. Three Post Tower and Anchor Posts.....	\$48 00
730	8 ft. Mill with 25 ft. Three Post Tower and Anchor Posts.....	51 00
800	8 ft. Mill with 30 ft. Three Post Tower and Anchor Posts.....	54 00
865	8 ft. Mill with 35 ft. Three Post Tower and Anchor Posts.....	58 25
930	8 ft. Mill with 40 ft. Three Post Tower and Anchor Posts.....	62 50
1040	8 ft. Mill with 45 ft. Three Post Tower and Anchor Posts.....	68 75
1120	8 ft. Mill with 50 ft. Three Post Tower and Anchor Posts.....	75 00
1275	8 ft. Mill with 60 ft. Three Post Tower and Anchor Posts.....	87 50

If an 8-ft. direct motion Mill is used with above Towers the price will be \$1.00 less
 If a 9-ft. direct motion Mill is used with above Towers the price will be \$1.00 more
 If a 9-ft. back geared Mill is used with above Towers the price will be \$2.00 more
 If a 6-ft. back geared Mill is used with above Towers the price will be \$2.75 less

Weight, Lbs.	8-foot Back Geared Mills, Galvanized, with FOUR-POST "Samson" Steel Towers, Galvanized	Price.
725	8 ft. Mill with 20 ft. Four Post Tower and Anchor Posts.....	\$50 00
780	8 ft. Mill with 25 ft. Four Post Tower and Anchor Posts.....	53 25
860	8 ft. Mill with 30 ft. Four Post Tower and Anchor Posts.....	56 50
940	8 ft. Mill with 35 ft. Four Post Tower and Anchor Posts.....	61 25
1035	8 ft. Mill with 40 ft. Four Post Tower and Anchor Posts.....	66 00
1140	8 ft. Mill with 45 ft. Four Post Tower and Anchor Posts.....	73 00
1250	8 ft. Mill with 50 ft. Four Post Tower and Anchor Posts.....	80 00
1450	8 ft. Mill with 60 ft. Four Post Tower and Anchor Posts.....	94 00

If an 8-ft. direct motion Mill is used with above Towers the price will be \$1.00 less
 If a 9-ft. direct motion Mill is used with above Towers the price will be \$1.00 more
 If a 9-ft. back geared Mill is used with above Towers the price will be \$2.00 more
 If a 6-ft. back geared Mill is used with above Towers the price will be \$2.75 less

Weight, Lbs.	10-foot Back Geared Mills Galvanized with THREE-POST "Samson" Steel Towers Galvanized.	Price.
835	10 ft. Mill with 20 ft. Three Post Tower and Anchor Posts....	\$63 50
895	10 ft. Mill with 25 ft. Three Post Tower and Anchor Posts....	66 75
970	10 ft. Mill with 30 ft. Three Post Tower and Anchor Posts....	70 00
1040	10 ft. Mill with 35 ft. Three Post Tower and Anchor Posts....	75 00
1110	10 ft. Mill with 40 ft. Three Post Tower and Anchor Posts....	80 00
1225	10 ft. Mill with 45 ft. Three Post Tower and Anchor Posts....	86 00
1310	10 ft. Mill with 50 ft. Three Post Tower and Anchor Posts....	92 00
1500	10 ft. Mill with 60 ft. Three Post Tower and Anchor Posts....	105 00

For price of 10 ft. direct motion Mills with steel towers see page 5.

Weight, Lbs.	10-foot Back Geared Mills Galvanized with FOUR-POST "Samson" Steel Towers Galvanized.	Price.
	These Samson Towers are shown and described on Page 2.	
900	10 ft. Mill with 20 ft. Four Post Tower and Anchor Posts....	\$66 50
970	10 ft. Mill with 25 ft. Four Post Tower and Anchor Posts....	70 75
1060	10 ft. Mill with 30 ft. Four Post Tower and Anchor Posts....	75 00
1150	10 ft. Mill with 35 ft. Four Post Tower and Anchor Posts....	80 00
1250	10 ft. Mill with 40 ft. Four Post Tower and Anchor Posts....	85 00
1365	10 ft. Mill with 45 ft. Four Post Tower and Anchor Posts....	90 75
1490	10 ft. Mill with 50 ft. Four Post Tower and Anchor Posts....	96 50
1700	10 ft. Mill with 60 ft. Four Post Tower and Anchor Posts....	110 00

Weight, Lbs.	12-foot Back Geared Mills Galvanized with FOUR-POST "Samson" Steel Towers Galvanized.	Price.
1330	12 ft. Mill with 20 ft. Four Post Tower and Anchor Posts....	\$93 00
1425	12 ft. Mill with 25 ft. Four Post Tower and Anchor Posts....	97 75
1525	12 ft. Mill with 30 ft. Four Post Tower and Anchor Posts....	102 50
1630	12 ft. Mill with 35 ft. Four Post Tower and Anchor Posts....	108 50
1735	12 ft. Mill with 40 ft. Four Post Tower and Anchor Posts....	114 75
1850	12 ft. Mill with 45 ft. Four Post Tower and Anchor Posts....	121 00
1970	12 ft. Mill with 50 ft. Four Post Tower and Anchor Posts....	128 00
2230	12 ft. Mill with 60 ft. Four Post Tower and Anchor Posts....	143 50

Weight, Lbs.	10-foot Direct Motion Mills Galvanized with THREE-POST "Samson" Steel Towers Galvanized.	Price.
810	10 ft. Mill with 20 ft. Three Post Tower and Anchor Posts ...	\$58 00
870	10 ft. Mill with 25 ft. Three Post Tower and Anchor Posts ...	61 50
945	10 ft. Mill with 30 ft. Three Post Tower and Anchor Posts ...	65 00
1015	10 ft. Mill with 35 ft. Three Post Tower and Anchor Posts ...	70 00
1085	10 ft. Mill with 40 ft. Three Post Tower and Anchor Posts ...	75 00
1200	10 ft. Mill with 45 ft. Three Post Tower and Anchor Posts ...	80 75
1285	10 ft. Mill with 50 ft. Three Post Tower and Anchor Posts ...	86 50
1475	10 ft. Mill with 60 ft. Three Post Tower and Anchor Posts ...	100 00

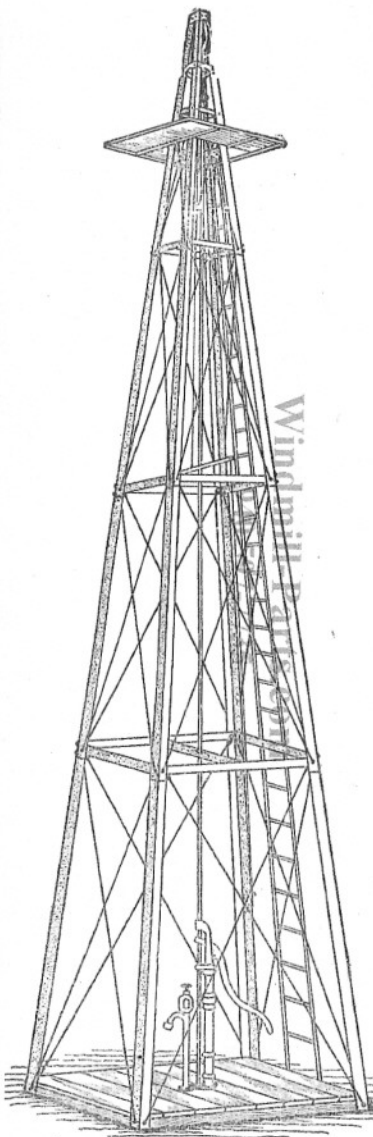
Weight, Lbs.	10-foot Direct Motion Mills Galvanized with FOUR-POST "Samson" Steel Towers Galvanized.	Price.
875	10 ft. Mill with 20 ft. Four Post Tower and Anchor Posts....	\$62 00
945	10 ft. Mill with 25 ft. Four Post Tower and Anchor Posts....	66 00
1035	10 ft. Mill with 30 ft. Four Post Tower and Anchor Posts....	70 00
1125	10 ft. Mill with 35 ft. Four Post Tower and Anchor Posts....	75 00
1225	10 ft. Mill with 40 ft. Four Post Tower and Anchor Posts....	80 00
1340	10 ft. Mill with 45 ft. Four Post Tower and Anchor Posts....	86 00
1465	10 ft. Mill with 50 ft. Four Post Tower and Anchor Posts....	92 00
1675	10 ft. Mill with 60 ft. Four Post Tower and Anchor Posts....	105 00
	10 ft. Wood Wheel Mill with Galvanized Steel Towers and Anchor Posts, same prices as above when mill is finished with ordinary style of wheel.	

Weight, Lbs.	14-foot Back Geared Mills Galvanized with FOUR-POST "Samson" Steel Towers Galvanized.	Price.
1665	14 ft. Mill with 20 ft. Four Post Tower and Anchor Posts....	127 25
1770	14 ft. Mill with 25 ft. Four Post Tower and Anchor Posts....	131 75
1875	14 ft. Mill with 30 ft. Four Post Tower and Anchor Posts....	137 25
1990	14 ft. Mill with 35 ft. Four Post Tower and Anchor Posts....	144 00
2100	14 ft. Mill with 40 ft. Four Post Tower and Anchor Posts....	151 00
2220	14 ft. Mill with 45 ft. Four Post Tower and Anchor Posts....	158 50
2350	14 ft. Mill with 50 ft. Four Post Tower and Anchor Posts....	166 25
2650	14 ft. Mill with 60 ft. Four Post Tower and Anchor Posts....	182 00

FOUR POST "SAMSON" STEEL TOWERS.

These Towers have a set of girts and braces every ten feet.

See full description on page 2.



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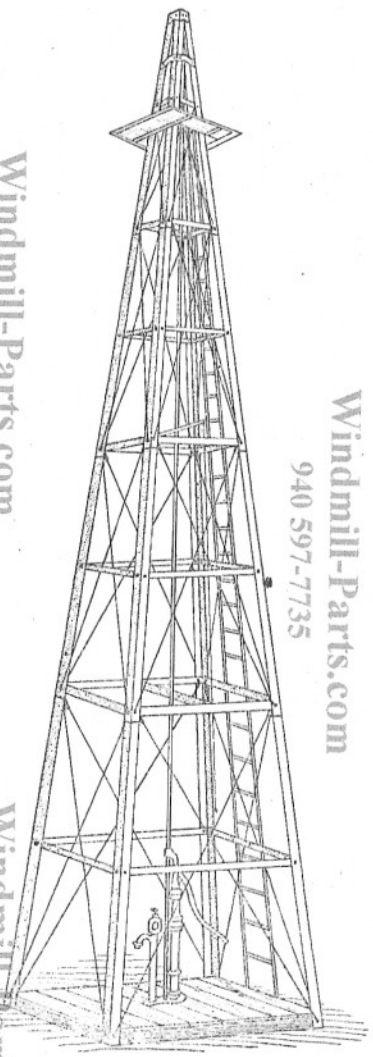
Height	The Steel Towers are punched and fitted, ready to put together, and price below includes the Upper Platform, and all bolts necessary to put the Tower together.	GALVANIZED.
Lbs.		Price.
Steel Towers to Carry 8 ft. and 9 ft. Wind Mills.		
300	Tower 20 feet high.....	\$17 85
375	Tower 25 feet high.....	21 75
455	Tower 30 feet high.....	26 25
540	Tower 35 feet high.....	31 00
625	Tower 40 feet high.....	35 65
720	Tower 45 feet high.....	41 85
840	Tower 50 feet high.....	48 85
1060	Tower 60 feet high.....	64 35
50	Anchor Posts.....	3 85
Steel Towers to Carry 10 ft. Wind Mills.		
340	Tower 20 feet high.....	\$21 75
425	Tower 25 feet high.....	25 50
515	Tower 30 feet high.....	30 25
610	Tower 35 feet high.....	35 75
705	Tower 40 feet high.....	41 15
810	Tower 45 feet high.....	47 25
920	Tower 50 feet high.....	53 50
1160	Tower 60 feet high.....	66 75
60	Anchor Posts.....	4 65
Steel Towers to Carry 12 ft. Wind Mills.		
420	Tower 20 feet high.....	\$24 75
515	Tower 25 feet high.....	29 50
615	Tower 30 feet high.....	34 15
720	Tower 35 feet high.....	40 35
825	Tower 40 feet high.....	46 50
940	Tower 45 feet high.....	52 70
1060	Tower 50 feet high.....	59 65
1320	Tower 60 feet high.....	75 25
100	Anchor Posts.....	6 25

Towers to Carry 14 ft. Mills.

To get price of Steel Towers to carry 14 ft. Mills add ten per cent. to the price of steel towers to carry the 12 ft. Mills, as given above.

Hercules Steel Towers

Having a Set of Girts Every Five Feet.



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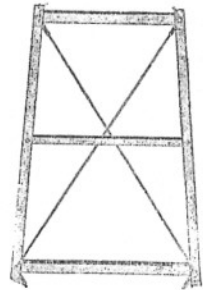
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IN purchasing Steel Towers many persons are willing to pay a little more in price to have them made *extra strong*. To meet this demand we build the **Hercules Tower**, which has a set of girts *every five feet*. The construction is the same as the "Samson" Tower, described on page 2 with the addition of an extra set of girts in the middle of each ten-foot section; this set of girts being punched so that the brace rods run through them.

The special construction of the "Samson" Tower with the addition of these middle-section girts, and the brace rods running through same, makes the Tower as *nearly indestructible as it is possible to make it*.

We call this the **Hercules Tower** to distinguish it from our regular "Samson" Tower, which has a set of girts every ten feet.



The small cut shows in detail one side of a ten-foot section of the **Hercules Tower**.

The following list gives the cost of the **Hercules Tower** over the "Samson," in different heights:

On a 20 ft. Tower.....	\$1 00 additional
" 25 " " ".....	1 50 " "
" 30 " " ".....	2 00 " "
" 35 " " ".....	2 50 " "
" 40 " " ".....	3 00 " "
" 45 " " ".....	4 00 " "
" 50 " " ".....	5 50 " "
" 60 " " ".....	8 00 " "

When the **Hercules Tower** is used, the above is the net cost over the prices quoted for the Mills with the "Samson" Towers on pages 3, 4, 5 and 6 of the price list.