

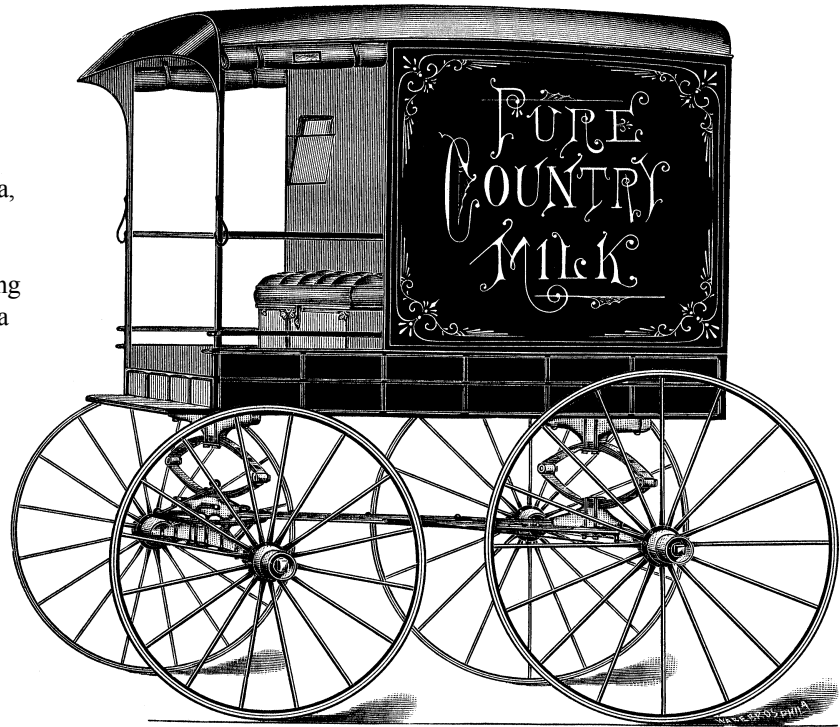
## W. P. BRENZ AND COMPANY, PHILADELPHIA, PENNSYLVANIA.

### Plate No. 8, MILK WAGON.

Built by W. P. Brenz & Company, Philadelphia,  
Pennsylvania.

*Carriage Monthly* April 1889 page 3.

Also published in Hitch Wagons for City Driving  
and More by the Carriage Museum of America



MILK WAGON.

PLATE No. 8.—VOL. 25.—*Explanation on page 3.*

### WORKING DRAFT OF PHILADELPHIA MILK WAGON BODY.

Built by Charles O. Brenz & Company, Philadelphia, Pennsylvania.

*Carriage Monthly* September 1907 page 160-161.

It is remarkable how light these bodies are built and how well they are framed and ironed. The separate parts of timber and iron indicated below will give the wagon builders the required information as to its size and constructions.

The width of body on sills is 44½ inches; its length outside of posts is 6 feet 2 inches, and its depth from under surface of sills to top is 5 feet at center, and a trifle lower at its ends. This body is mostly covered on side surfaces with panels. Some are covered entirely with imitation leather, including the top, while others have the top covered with imitation leather only, and the rest are panels and painted. They are also built with sliding doors, or sliding doors omitted with just the side entrance. Again they are built with closed front, with glass frames to drop or to lift against the curves. In all cases there is a driving box as illustrated, and dimensions given, which is made to slide back and forth and held in position with an iron cross bar.

2 Side sills, oak, 1 1/8 inches thick, 3/4 inches wide, 7 inches long.  
1 Front cross bar, oak, 1 1/8 inches thick, 3/4 inches wide, 3 feet 5 inches long.

1 Back cross bar, oak, 1 5/8 inches thick, 2 inches wide, 4 feet 7 inches long.

4 Cross bottom bars, oak, 1 1/8 inches thick, 2 3/8 inches wide, 3 feet 5 inches long.

1 Toe cross bar, oak, 1 inch thick, 6 inches wide, 3 feet 9 inches long.

3 Bottom boards, pine, 5/8 inch thick, 11 inches wide, 6 feet 1 inch long.

2 Bottom boards, pine, 5/8 inch thick, 3½ inches wide, 6 feet 1 inch long.

4 Bent bows, ash, 1 inch thick, 1½ inches wide, 5 feet 1 inch long.

10 Studs, oak, 5/8 inches thick, ½ inch wide, 10 long.

4 Corner posts, oak, 1¼ inches thick, 2 inches wide, 10 long.

2 Side center body rails, oak, 5/8 inch thick, ½ inch wide, 6 feet 2 inches long.

2 Side main body rails, oak, 1¼ inches thick, 7/8 inch wide, 6 feet 6 inches long.

1 Front cross body rail, oak, 1¼ inches thick, ½ inch wide, 3 feet 9 inches long.

2 Short side seat rails, oak, 5/8 inch thick, ½ inch wide, 2 feet 3 inches long.

2 Side rails between side panels, oak, 5/8 inch thick, 1½ inches wide, 6 feet 4 inches long.

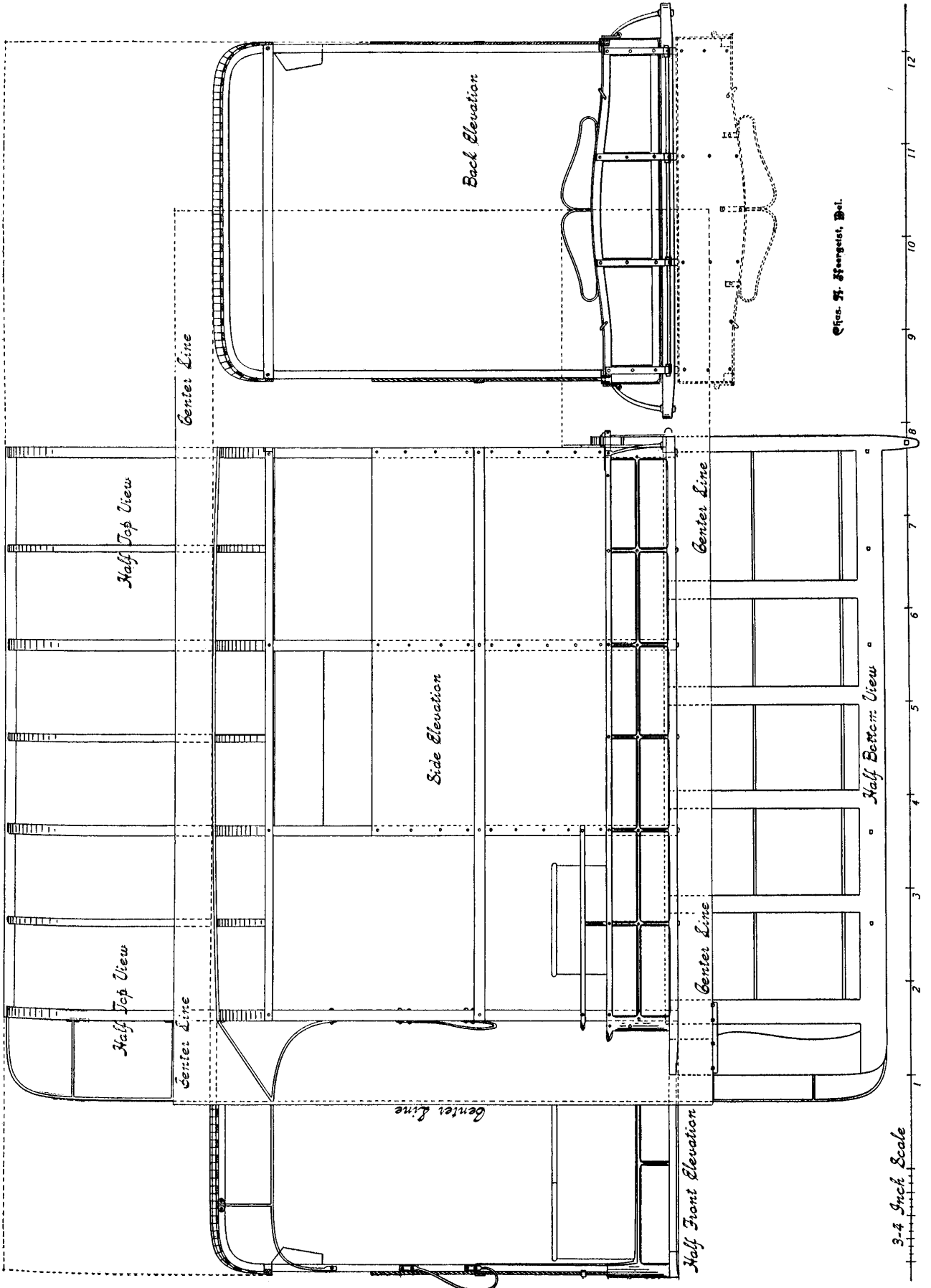
2 Top rails, ash, 1 3/8 inches thick, 1 1/8 inches wide, 6 feet 4 inches long.

3 Short bent top curves, ash, ¾ inches thick, 1 inch wide, 8 inches long.

25 Top slats, pine, 3/8 inch thick, 1 1/8 inch wide, 6 feet 4 inches long.

1 Top cross rail, ash, 1 1/8 inches thick, 9 inches wide, 3 feet 9 inches long.

1 Drop gate, ash, 1¼ inches thick, 9 inches wide, 3 feet 9 inches



WORKING DRAFT OF PHILADELPHIA MILK WAGON BODY; BUILT BY CHAS. O. BRENZ & CO., PHILADELPHIA, PA.

W. P. Brenz & Co., Philadelphia, Pennsylvania

long.  
2 Body side panels, poplar, 5/16 inch thick, 8 inches wide, 6 feet 2 inches long.  
2 Lower side panels, poplar, 3/8 inch thick, 16 inches wide, 4 feet 4 inches long.  
2 Upper side panels, poplar, 3/8 inch thick, 13½ inches wide, 4 feet 4 inches long.  
1 Front panel, poplar, 5/16 inch thick, 5 inches wide, 3 feet 9 inches long.  
2 Driving box side panels, poplar, 5/8 inches thick, 14 inches wide, 3 feet 5 inches long.  
2 Driving box end panels, poplar, 5/8 inch thick, 14 inches wide, 1 foot 2 inches long.  
1 Driving box bottom panel, poplar, 5/8 inch thick, 14 inches wide, 1 foot 2 inches long.  
1 Driving box top panel, poplar, 5/8 inch thick, 15 inches wide, 3 feet 5 inches long.  
2 Driving box bottom strips, poplar, ½ inch thick, 2 inches wide, ½ long.  
2 Pocket side panels, poplar, 5/16 inch thick, 6 inches wide, 6 inches long.  
2 Pocket end panels, poplar, ½ inch thick, 6 inches wide, 6 inches long.  
2 Side top moldings, poplar, 3/8 inch thick, 5/8 inch wide.  
2 End top moldings, poplar 3/8 inch thick, 5/8 inch wide, 3 feet 9 inches long.  
2 Inside seat rails, ash, 1 3/16 inches thick, 1½ inches wide, 6 feet 2 inches long.

BODY IRONS.

2 Driving box lid hinges, iron, 1 inch wide, 1¾ inches long.  
1 Hood rail and stays, iron, 3/8 inch thick.  
10 Strap irons, iron, ¼ inch thick, ¾ inch wide, 10 long.  
2 Side handles, iron, 5/16 inch thick, 1 foot 1 inch long.  
2 Front bow and rail irons, iron, ¼ inch thick, 1¼ inches wide, 1 foot 9 inches long.  
2 Rear side body braces, iron, 10 long.  
4 Drop gate hinges, iron, 3/16 inches thick, 1 inch wide, 10 inches long.  
1 Drop gate rod, iron, ½ inch wide, 3 feet 9 inches long.  
4 Drop gate hinge bolts, iron 3/8 inch thick.  
1 Drop gate rail, iron, 3/8 inch thick.  
1 Drop gate spring on top of gate, iron, 3/16 inches thick, 1¼ inches wide, 4 feet 4 inches long.  
2 Drop gate catchers top of side rails, iron, 3/16 inch thick, 1 1/8 inches wide, 5 inches long.  
2 Drop gate spring clasps, iron, 3/16 inch thick, 1 1/8 inches wide.  
2 Rein line hooks, iron.  
2 Strap bolts on rear bow, iron, 3/16 inch thick, 1 inch wide, 2 feet 3 inches long.

GENERAL, DIMENSIONS FOR WHEELS, SPRINGS AND AXLES, WARNER PATENT WHEELS.

Diameter without tires 42 x 48 inches.  
Diameter and length of hubs 4 5/16 x 8 ½ inches.  
Width of spokes at square ends 1½ inches.  
Number of spokes front and back 16 x 16.  
Thickness and depth of rims 1 5/8 x 1¾ inches.  
Size of tires ½ x 1½ inches.

ELLIPTIC SPRING FRONT.

Length from center of bolts 38½ inches.  
Open from out to out 12½ inches.

Width of plates 1½ inches.

Number of plates 6.

Thickness of main plate No. 2.

All the rest of the plates No. 2.

ELLIPTIC SPRING BACK.

Same as front except seven plates.

Plain fantail axles, size at arms 1 3/8 inches.

Size at center 1 x 1½ inches.

Width of body on sills 44½ inches.

Width of track out to out 62 inches.

Also published in Hitch Wagons for City Driving and More by the Carriage Museum of America

Charles Brenz & Co., Southeast corner Thirty-seventh and Filbert Streets. Coach, carriage, and Wagon builders. successors to sickel & Brenz, established 1870. factory photo can be seen in *Philadelphia Pennsylvania, the Book of Its Bourse & Co-operating Bodies*, by George Washington Engelhardt, published by Lippincott Press, Philadelphia, 1898-1899 page 391.