

F. A. JACKSON, ALTOONA, PENNSYLVANIA



**Plate No. 1076. FURNITURE WAGON.
Built by F. A. Jackson, Altoona, Pennsylvania**

Carriage Monthly August 1907.
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America.

WORKING DRAFT OF FURNITURE WAGON.

Built by F. A. Jackson, Altoona, Pennsylvania
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This body and gear is of the most modern construction, and in it are embodied new and original features which are a credit to the builder. The length and width of body inside dimensions are 12 feet by 53 inches, 7 feet from bottom of sills to outside of top at center, and 10 feet 10 inches high from the floor.

All hard woods have been employed in its construction, with the exception of the roof panels. All body and gear irons are hand-forged and the front gear has a 32-inch roller-bearing fifth wheel, this large size being required on account of the hills and mountain roads in the vicinity of Altoona, Pennsylvania. The fifth wheel contains solid steel forged roller bearings, enclosed in anti-dust and rust-proof composite cases.

The body is mounted on steel ribbed springs, 1 $\frac{3}{4}$ -inch solid steel forged case-hardened axles and case-hardened chilled boxes; double XX Warner wheels with solid brass dust-proof hub bands, latest improved simplex brake, and steel tubing double trees. The body is painted lemon yellow, striped gold one inch wide, edged with red. twenty-two coats of paint and varnish have been given to the body to bring it up to the finest of coach and auto finishes. The gear is finished in the same color as the body and striped with wide lines of Turkish and sienna, edged with fine lines of chrome green, dotted with flaked white. Lettering is black, shaded with gold.

The following are the kinds of timber and all dimensions for the various pieces employed in the body:

2 Side sills, oak, 1 3/8 inches thick, 3 1/2 inches wide, 13 feet long.
1 Front sill, oak, 1 3/8 inches thick, 3 1/2 inches wide, 4 feet 7 inches

long.

1 Back bar, oak, 2 1/8 inches thick, 2 1/4 inches wide, 5 feet 6 inches long.

1 Center bar, oak, 1 3/4 inches thick, 3 1/4 inches wide, 5 feet 6 inches long.

4 Sloats or cross bars, oak, 1 1/4 inches thick, 3 inches wide, 4 feet 7 inches long.

2 Front posts, ash, 2 1/8 inches thick, 2 3/8 inches wide, 7 feet 2 inches long.

2 Rear posts, ash, 2 inches thick, 2 inches wide, 7 feet 2 inches long.

2 Rear posts, ash, 1 3/8 inches thick, 3 1/4 inches wide, 2 feet 2 inches long.

2 Top side rails, ash, 1 1/4 inches thick, 1 1/4 inches wide, 12 feet long.

1 Front cross rail, ash, 1 1/4 inches thick, 1 1/4 inches wide, 4 feet 9 inches long.

1 Front cross rail, ash, 1 1/4 inches thick, 1 1/4 inches wide, 4 feet 9 inches long.

2 Studs, ash, 1 1/4 inches thick, 1 1/4 inches wide, 3 feet 8 inches long.

2 Studs, ash, 1 1/4 inches thick, 1 1/4 inches wide, 1 foot 8 inches long.

2 Top rails, ash, 1 1/8 inches thick, 10 inches wide, 13 feet 6 inches long.

2 Seat rails, ash, 1 1/2 inches thick, 1 3/4 inches wide, 1 foot 8 inches long.

1 Front board, ash, 7/8 inches thick, 13 inches wide, 4 feet 8 inches long.

1 Toe board, ash, 7/8 inches thick, 10 inches wide, 4 feet 6 inches long.

1 Tail gate, ash, 7/8 inches thick, 21 5/8 inches wide, 4 feet 9 inches long.

1 Tail gate molding, ash, 3/8 inch thick, 6 inches wide, 4 feet 9 inches long.

2 Furniture rails, ash, 1 1/2 inches thick, 2 inches wide, 10 feet 6 inches long.

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- 2 Furniture rails, ash, 1½ inches thick, 1½ inches wide, 10 feet 6 inches long.
- 2 Side body boards, ash, 7/8 inches thick, 22 inches wide, 12 feet 4 inches long.
- 1 Front board, ash, 7/8 inches thick, 22 inches wide, 4 feet 7 inches long.
- 1 Front board, ash, 7/8 inches thick, 15 inches wide, 4 feet 7 inches long.
- 1 Rear top rail, ash, 1 inch thick, 4 inches wide, 4 feet 9 inches long.
- 6 Bottom boards, ash, 7/8 inch thick, 8 inches wide, 12 feet 2 inches long.
- 4 Filling, ash, 9/16 inch thick, 8 inches wide, 3 feet 6 inches long.
- 1 Seat board, ash, 7/8 inch thick, 20¼ inches wide, 4 feet 6 inches long.
- 2 Seat rails, ash, 1 1/3 inch thick, 1½ inches wide, 4 feet 6 inches long.
- 1 Box piece, ash, ¾ inch thick, 5 inches wide, 4 feet 6 inches long.
- 1 Box piece, ash, ¾ inch thick, 4¼ inches wide, 4 feet 6 inches long.
- 1 Box lid, ash, ¾ inch thick, 7½ inches wide, 4 feet 6 inches long.
- 2 Rails, ash, 1 5/8 inch thick, 1 5/8 inch wide, 10 feet 6 inches long.
- 2 Rails, ash, 1½ inch thick, 2½ inch wide, 10 feet 6 inches long.
- 11 Top curves, ash, 1 inch thick, 1 inch wide, 4 feet 6 inches long.
- 16 Top strips, pine, ¼ inch thick, ½ inch wide, 12 feet 2 inches long.
- 2 Top panels, pine, ¼ inch thick, 6 inches wide, 12 feet 2 inches long.

DIMENSIONS OF WHEEL SPRINGS AND AXLES ARE AS FOLLOWS:

DOUBLE XX WARNER PATEN WHEELS.

- Outside diameter without tires 36 x 48 inches.
- Diameter of hub (inside of flanges) 5 7/8 inches.
- Length of hub 10 inches.
- Width of spokes at square ends 1¾ inches.
- Thickness and depth of rims 1 7/8 x 2 inches.
- Number of spokes front and back 14 x 16 inches.
- Tread of rims 1¾ inches.
- Size of tires 5/8 x 1¾ inches.

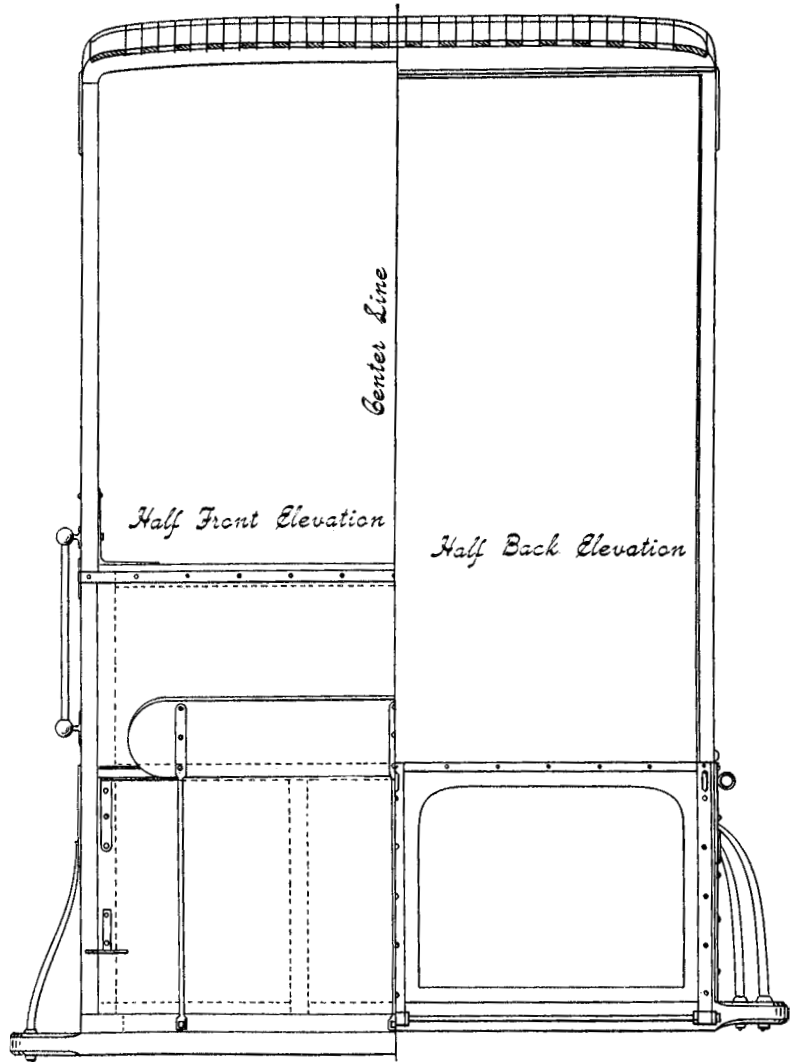
FRONT AND SIDE SPRING, STYLE WAGON PLATFORM.

- Length from centers of bolts 42 inches.
- Opening from out to out 6 inches.
- Width of plates 2¼ inches.
- Number of plates 9 inches.
- Thickness of main and other plates, all No. 2.
- Clipped to axle.

FRONT CROSS SPRINGS.

- Length from centers of bolts 42 inches.
- Opening from out to out 6¼ inches.
- Width of plates 2¼ inches.
- Number of plates 10.
- Thickness of main and other plates, all No. 2.
- Clipped to gear block.

REAR SIDE SPRINGS.



HALF FRONT AND HALF BACK ELEVATION OF FURNITURE WAGON DRAFT.

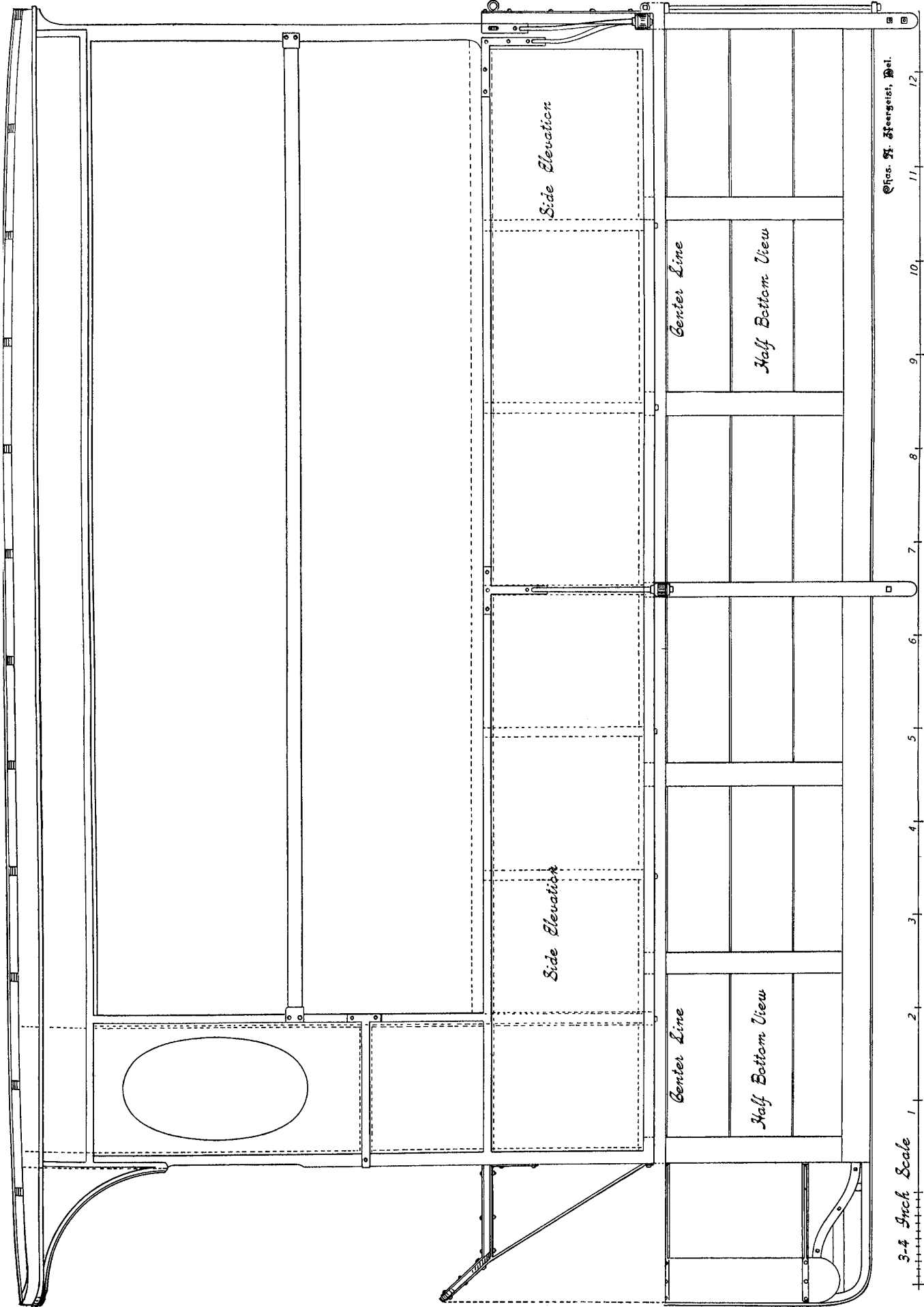
- Length from centers of bolts 42 inches.
- Opening from out to out 2¼ inches.
- Number of plates 10.
- Thickness of main and other plates, all No. 2.
- Clipped to axle.

REAR CROSS SPRINGS.

- Length from centers of bolts 42 inches.
- Width of plates 2¼ inches.
- Number of plates 11.
- Thickness of main and other plates, all No. 2.
- Clipped to rear cross bar.

AXLES.

- Size of axle on arm and square end 1¾ inches.
- Finish at center as usual.
- Case-hardened axle arms and drilled boxes.
- Lower furniture rails trimmed.
- Curtains on sides and rear ends.
- Cushions of the same material.
- Head board body handles, toe board handles all solid brass, mounted.
- Beveled glass for side lights.



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BUILT BY F. A. JACKSON, ALTOONA, PA.
EXPLANATION ON OPPOSITE PAGE.