

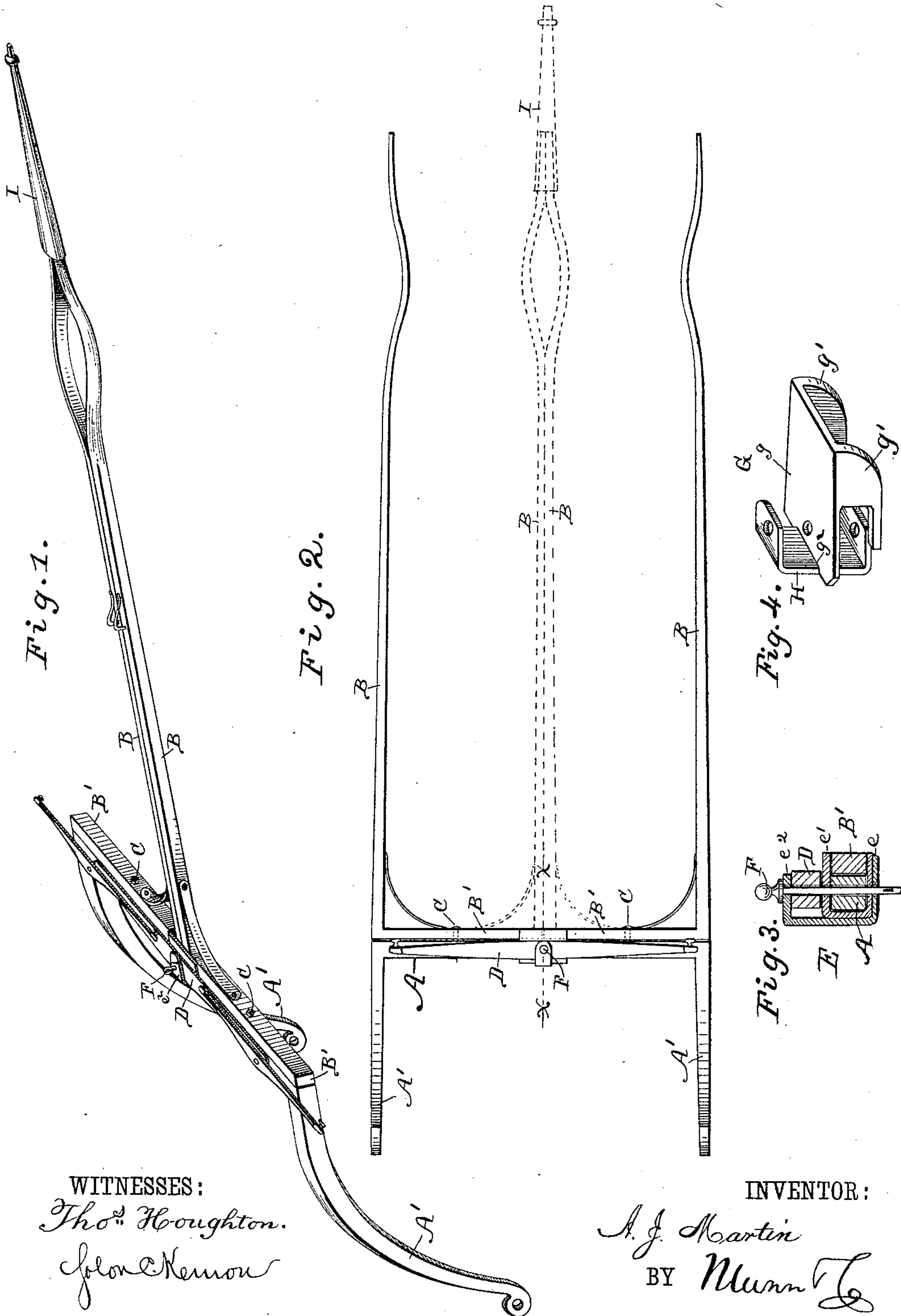
(No Model.)

A. J. MARTIN.

COMBINED POLE AND SHAFTS FOR VEHICLES.

No. 336,334.

Patented Feb. 16, 1886.



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UNITED STATES PATENT OFFICE.

AARON JEFFERSON MARTIN, OF EVANSVILLE, INDIANA.

COMBINED POLE AND SHAFTS FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 336,334, dated February 16, 1886.

Application filed August 21, 1885. Serial No. 175,003. (No model.)

To all whom it may concern:

Be it known that I, AARON JEFFERSON MARTIN, a citizen of the United States, residing at Evansville, in the county of Vanderburg and State of Indiana, have invented a new and useful Improvement in Combined Pole and Shafts, of which the following is a description.

This invention is an improved draft attachment for vehicles, whereby the same draft devices may be adjusted for use with a double or a single team, as may be desired.

By my invention I make one construction answer the purpose of a pole or tongue and shafts and provide a simple construction by which the parts may be readily adjusted for either purpose.

In the drawings Figure 1 is a perspective view of the improvement with the draft-sections adjusted for use as a pole or tongue. Fig. 2 is a plan view of the improvement with the draft-section shown adjusted for a single team and with the arrangement of Fig. 1 indicated in dotted lines. Fig. 3 is a detached section on line *x x*, Fig. 2; and Fig. 4 represents in detail a modification of the fastening devices.

The cross-bar A may have arms A' or be secured to the vehicle in other suitable manner. Each draft-section B has at its rear end a right-angled arm, B'. These arms are pivoted at C, centrally between their ends, to the cross-bar and at equal distance on opposite sides of the center of the cross-bar. These arms fit flush against the cross-bar and may be turned on the pivots to adjust them to either the position shown in Fig. 1 or that shown in Fig. 2. The outer ends of the arms meet at the center of the cross-bar when the device is adjusted for a single team, and their inner ends meet at the same point in the reverse position of the pair. By pivoting the arms to the front edge of the cross-bar, the cross-bar and arms may be rested within the same plane and a neat simple construction is provided. On the cross-bar is pivoted the tree D, which may be a single or double tree, according to whether the draft-sections are adjusted for use with a single or double team.

As a fastening I provide the triple-armed clip E and the pivot-bolt or hammer F. The

clip has arms *e*, *e'*, and *e''*, each of which is perforated to receive the pivot-bolt. The arm *e* rests under the cross-bar, the arm *e'* between the cross-bar and tree, and the arm *e''* over the tree. The pivot-bolt passes down through the clip, the tree, and the cross-bar, and secures such parts firmly together.

Instead of the form of fastening shown in Figs. 1, 2, and 3, that shown in Fig. 4, may be used. This consists of a clamp, G, having a top plate, *g*, and hook-like wings *g'*. The rear end of plate *g* is notched at *g''*, and the clip H fits into such notch and has its arms perforated for the pivot-pin. A sleeve or thimble, I, is provided to fit on the front ends of the sections when the latter are adjusted for use as a pole.

Having thus described my invention, what I claim as new is—

1. The combination of the cross-bar, the draft-sections having right-angled arms at their rear ends, horizontal pivots connecting such arms to the cross-bar midway their ends, whereby said arms may turn in a vertical plane, and a clamp arranged and constructed to engage the inner ends of said arms when the draft-sections are adjusted for use as a pole and the outer ends of said arms when the sections are adjusted for use as thills, substantially as set forth.

2. The combination of the cross-bar and the draft-sections having at their rear ends right-angled arms, and pivots connecting said arms to the cross-bar, such pivots being located midway the ends of the arms and at points equidistant from the center of the cross-bar, and a distance apart equal the length of one of the arms, whereby the inner ends of said arms will abut when such sections are adjusted for use as a pole, and their outer ends will abut when the sections are adjusted for use as thills, and a clamp whereby to engage the abutting ends of the arms and connect same to the cross-bar in the different adjustments of the sections, substantially as and for the purposes specified.

AARON JEFFERSON MARTIN.

Witnesses:

LOUIS TOWNSEND,
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