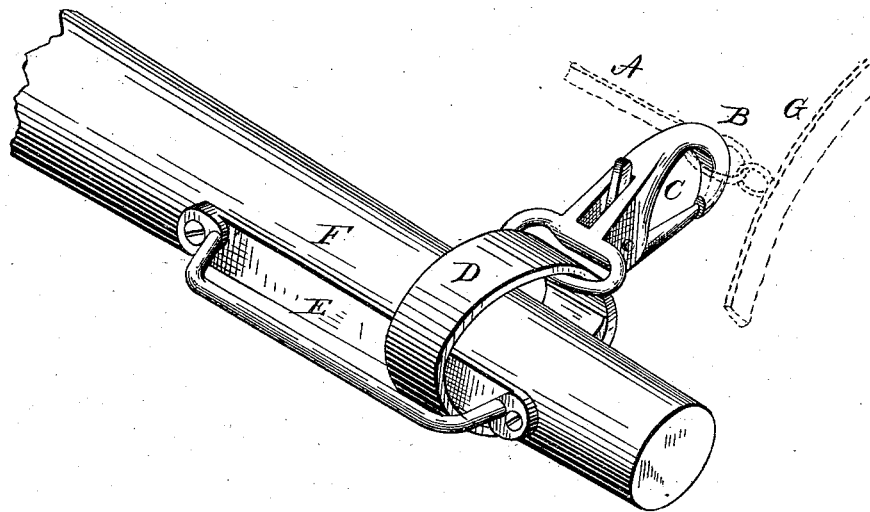# P. P. WINN.

HARNESS.

No. 264,396. Patented Sept. 12, 1882.

Witnesses,
Franck L. Ouraud
N. C. Chaffee

Inventor.
Paul P. Winn.

UNITED STATES PATENT OFFICE

PAUL P. WINN, OF STATESVILLE, NORTH CAROLINA.

HARNESS.

To all whom it may concern:

Be it known that I, PAUL PATTERSON WINN, a citizen of the United States, residing at Statesville, county of Iredell, and State of
5 North Carolina, have invented a new and useful Improvement in Shaft-Harnesses; and I do hereby declare that the following is a full, clear, and exact description of said improvement.
10 My invention relates to the combination of certain devices by which the usual saddle, with all of its attachments—the belly-bands, &c.—used in harness are dispensed with and the shaft-tugs are attached by means of a snap-
15 hook to the hame-clip. I attain this object by the mechanism illustrated in the accompanying drawing, which gives a detailed view, in perspective, of the improvement as attached to the end of the shaft and to the hame-clip.
20 A represents the trace-tug; B, the hame-clip; C, the snap-hook, by which D, the shaft-tug, consisting of a leather ring riveted or sewed together, is attached to the hame-clip.

E represents a cast-iron plate-loop, attached to the bottom of the shaft by means of screws. 25 This plate-loop consists of a cast-iron plate from two to five inches long and from one-half to one inch wide, flat on the side next to the wood, and of a loop formed integral with or attached to the plate, to prevent the shaft- 30 tug D from slipping off from the end of the shaft.

F represents the end of the shaft passing through the end of the shaft-tug D.

G represents the hame. 35

What I claim is—

The combination of the shafts provided with the loop-plate E, the hames, the hame clip or attachment, and the intermediate tug, all constructed and operating as and for the purpose 40 set forth.

PAUL P. WINN.

Witnesses:
    C. H. ARMFIELD,
    M. C. WILLIAMS.