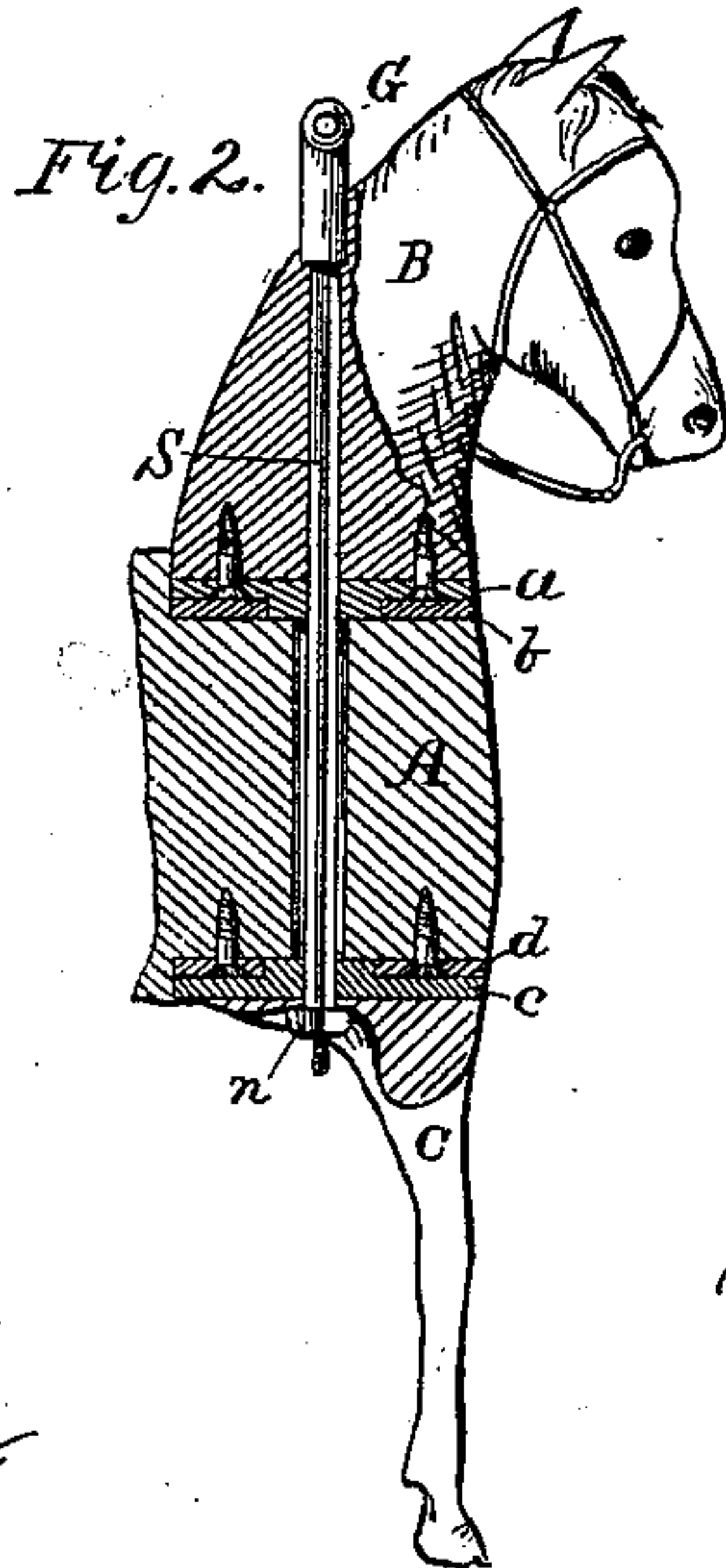
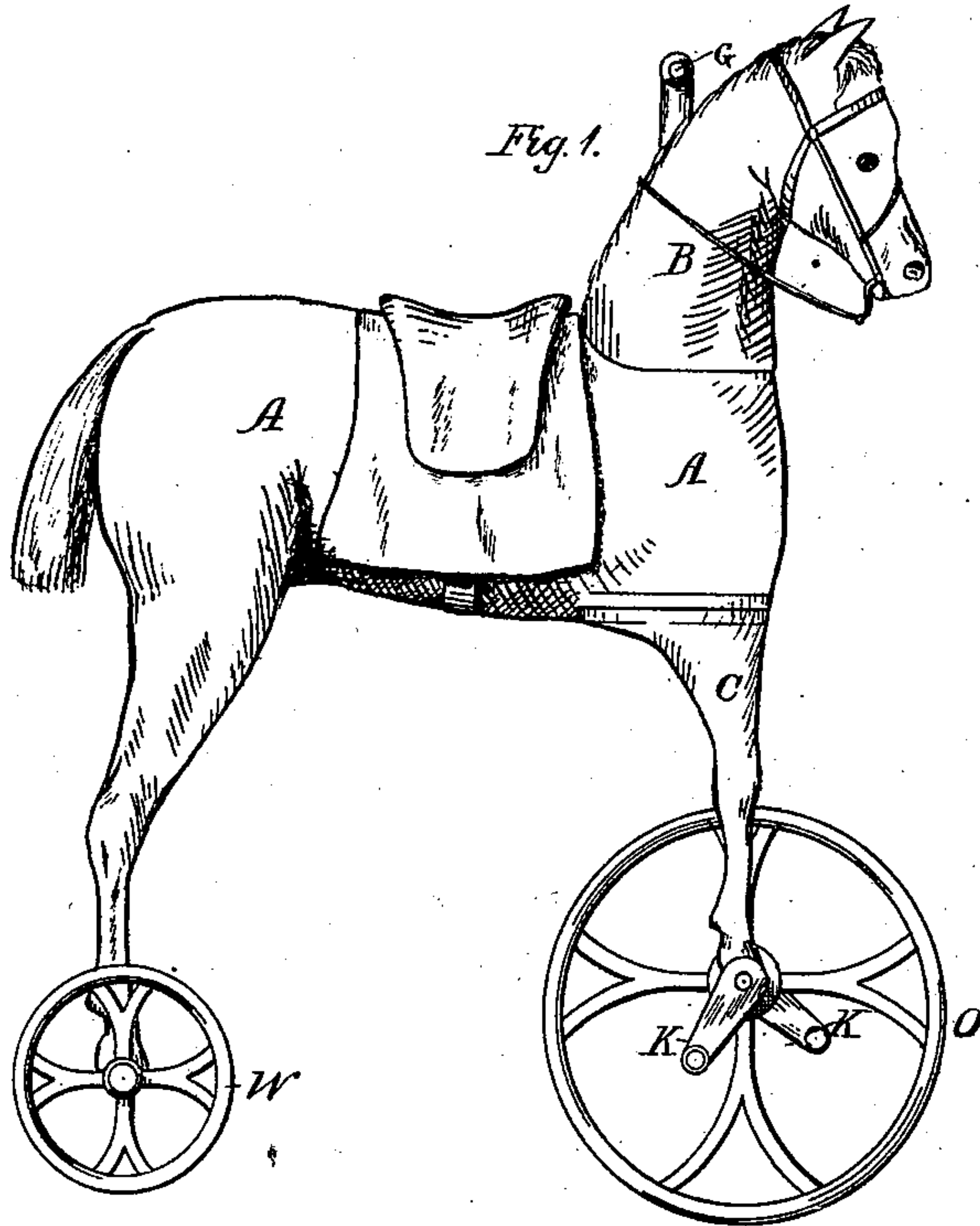


A. STOVER.
Velocipede Horse.

No. 230,722.

Patented Aug. 3, 1880.



Witnesses:

F. R. Thomson.
H. O. Pinckel.

Atkins Stover,
Inventor:
by atty. J. C. Clayton.

UNITED STATES PATENT OFFICE.

ATKINS STOVER, OF BROOKLYN, NEW YORK.

VELOCIPED-HORSE.

SPECIFICATION forming part of Letters Patent No. 230,722, dated August 3, 1880.

Application filed December 13, 1879.

To all whom it may concern:

Be it known that I, ATKINS STOVER, of the city of Brooklyn, in the State of New York, have invented an Artificial Riding-Horse, of which the following is a correct specification.

In the drawings hereunto annexed, forming part of this specification, Figure 1 is a side elevation, and Fig. 2 a partly sectional elevation, of the fore part of my artificial riding-horse.

I first make out of wood (or sheet metal may be used) the body and hind legs in the shape or general outline of a horse, as shown at A in the drawings.

B is the head and neck in one piece. C are the fore legs in one piece.

The neck B is provided with the male half of a socket-plate, *a*, to fit into the female socket-plate *b*, secured to the body A at the shoulder section.

The fore-legs piece C has a similar socket-plate, *c*, fitting into a socket-plate, *d*, at the under side of the body A, immediately under the plates *a* and *b*. When these several parts B, C, and A are in position, as shown in the drawings, and the socket-plates fitting, they are all secured together by the screw-bolt S, which passes down through the neck, shoulders, and between the fore legs, where nut *n* is tightened.

Bolt S is made rigid in plates *a* and *c*, by being square in section and fitting in square holes; and as these plates are respectively fast to the neck B and fore legs, C, it follows that the neck and fore legs are rigid and move together.

G is a guide-lever on the upper end of bolt S, resting on the crest of the neck. By means of this lever the rider turns the neck and head and fore legs to the right or left, as desired.

The hind legs of the horse are mounted on a pair of wheels, W.

The fore legs are mounted on one wheel, O, provided with velocipede-cranks K, set at right angles to each other. This wheel O is usually of larger diameter than wheels W, and I prefer to have its axle an inch or more out of center, so as to give a vertical nod or oscillation to the horse's head.

All the parts being assembled, the rider propels the horse back or forth by the action of his feet upon the cranks K, in the manner of a velocipede.

As the driving-wheel O is eccentric, it is evident that the head and shoulders of the horse will rise and fall according to the changing position of that wheel, thus giving an appearance of nodding and life-like movement to the horse.

By applying the hands to lever G and turning it right or left the horse is guided as desired.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination of the body A, neck B, and fore legs, C, with the socket-plates *a b c d*, bolt S, and nut *n*, the wheels, and the lever G, all constructed and arranged substantially as described.

2. An artificial riding-horse provided with an eccentric driving-wheel, O, adapted to impart a nodding or oscillating motion to the head, substantially as specified.

ATKINS STOVER.

In presence of—

LEONARD A. GIEGERICH,
J. C. CLAYTON.