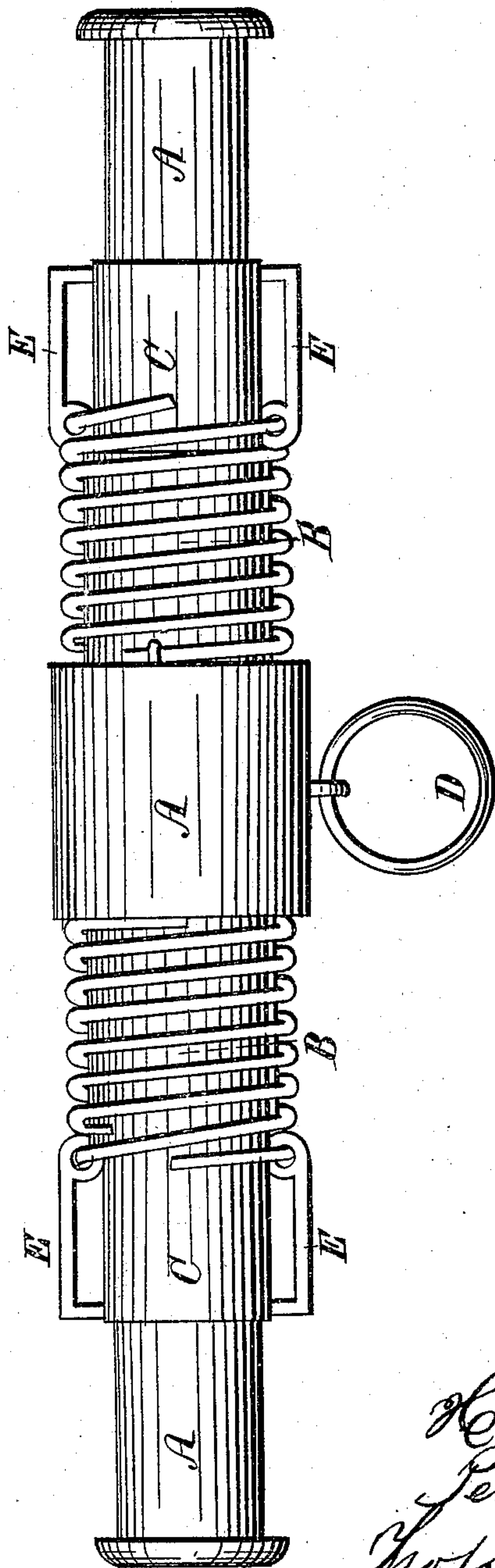


H. E. GOBLE.

Neck Yoke.

No. 88,562.

Patented April 6, 1869.



Witnesses:

H. F. Eberts
Jas. S. Day

Inventor:

H. E. Goble
Per Attorney
Thos. Sprague



HIRAM E. GOBLE, OF LAKE MILL, MICHIGAN.

Letters Patent No. 88,562, dated April 6, 1869.

IMPROVEMENT IN NECK-YOKES.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern :

Be it known that I, HIRAM E. GOBLE, of Lake Mill, in the county of Van Buren, and State of Michigan, have invented a new and useful Improvement Neck-Yokes; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification.

The nature of this invention relates to an improvement in the construction of neck-yokes, by means of which the horses may be allowed to spread apart from each other and the pole, to pass mud-holes, or obstructions in the centre of the road, and which will, after such obstructions are passed, compel the horses to come together again.

The invention consists in attaching a coil spring around each end of a neck-yoke, the inner ends of said spring being attached to the yoke, and the outer ends to the sliding thimbles, to which are attached the loops, through which pass the holdback-straps and martingales.

A, in the drawings, represents a wooden neck-yoke,

which may be constructed of the shape shown in the drawings, or any other shape most desirable.

B are coiled springs, the inner ends of which are secured near the centre of the yoke, longitudinally, while their outer ends are secured to the sliding thimbles C.

D is a ring, secured to the centre of the yoke, longitudinally, and is designed, by engagement with the tongue, or pole of a wagon, to sustain the same.

E are the usual metal loops, through which pass the holdback-straps and martingales of the harness. These loops are attached to the thimbles D.

The operation of this device is so simple as to render a description thereof unnecessary.

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

The arrangement of the coiled springs B, or their equivalents, and yoke A, with sliding thimbles C, when constructed and operating substantially as and for the purposes herein set forth.

Witnesses:

JAS. I. DAY,
H. F. EBERTS.

HIRAM E. GOBLE.