J.E. Brown,

Harness Hames,

No. 51,256, Patented Nov. 28, 1865.

Fig. 1.

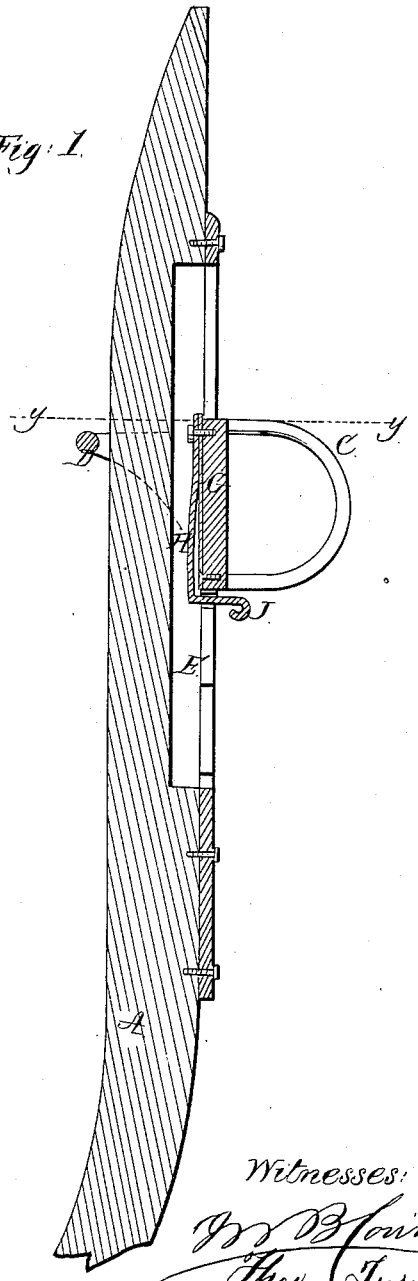
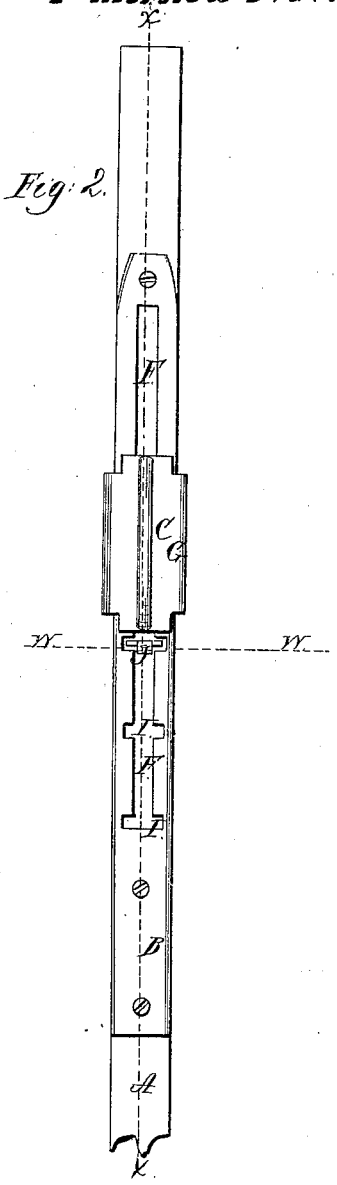


Fig. 2.

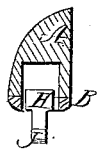


Witnesses:

W. B. Young Jr.

Thos. Tuscly

Fig. 4.



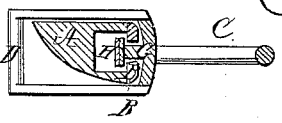
Inventor:

J. E. Brown

Munn & Co

Attorneys

Fig. 3.



UNITED STATES PATENT OFFICE.

JOHN E. BROWN, OF LANSINGBURG, NEW YORK, ASSIGNOR TO HIMSELF, CHAS. A. MOTT, AND A. A. PEEBLES, OF SAME PLACE.

IMPROVED HARNESS-HAMES.

Specification forming part of Letters Patent No. **51,256**, dated November 28, 1865.

To all whom it may concern:

Be it known that I, JOHN E. BROWN, of Lansingburg, in the county of Rensselaer and State of New York, have invented a new and useful Improvement in Harness-Hames; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical longitudinal section of a portion of the hames through the line *x x*, Fig. 2. Fig. 2 is a side view of a portion of the hames. Fig. 3 is a cross-section of the hames through the line *y y*, Fig. 1. Fig. 4 is a cross-section through the line *w w*, Fig. 2.

Similar letters of reference indicate corresponding parts.

The object of my invention is to render harness-hames readily adjustable to the size of the necks of the different horses upon which they may be placed; and it consists in combining with the hames an adjustable spring-rein and upper hame-strap ring, constructed and arranged as hereinafter more fully described.

A is the wooden part of the hames, which is made in the ordinary way, except that it is channeled on the side next to the iron strengthening-strap B.

The rein-ring C and the ring D for the upper hame-strap is made in one piece, so that to whatever horse the hames are adjusted the rein-ring will always be in its proper position, being always in a line with the upper hame-strap, which cannot be the case when the rein-ring is immovably attached to the hames in the ordinary manner.

The strap B is channeled directly over the channel E in the wooden part of the hames, as represented in Fig. 2; but the channel or slot F is narrower than the channel E. The slot F is notched at regular distances, as represented.

To the bottom of the plate G of the rein-ring C is attached a spring, H. The lower end of the spring H is free, is turned up and projects through the slot F, as represented in Fig. 1. The spring H is of such a width as to work freely in the channel E and notches I; but the projecting end J of the spring is made narrower, so as to work in the slot F, the shoulders of the turned-up end of the spring at the same time sliding along the under side of the strap B.

By this improvement the hames can in an instant be adjusted to the size of the neck of any horse by simply pressing upon the projecting end J of the spring H until the shoulders formed on the turned-up end of the said spring be pushed below the inner surface of the strap B, when the part C D G may be raised or lowered as required, the elasticity of the spring H forcing the end of the spring up into the notches I and holding said part in position until again released by pressing upon the projection J.

I claim as new and desire to secure by Letters Patent—

Adjustable harness-hames formed by combining the movable part C D G and spring H J with the hames, substantially as described, and for the purpose set forth.

JOHN E. BROWN.

Witnesses:
EUGENE HYATT,
WM. JAS. BOWDON.