Sheet 1.
3 Sheets

B. C. Taylor.

Horse Rake.

No 54977

Patented May 22, 1866.

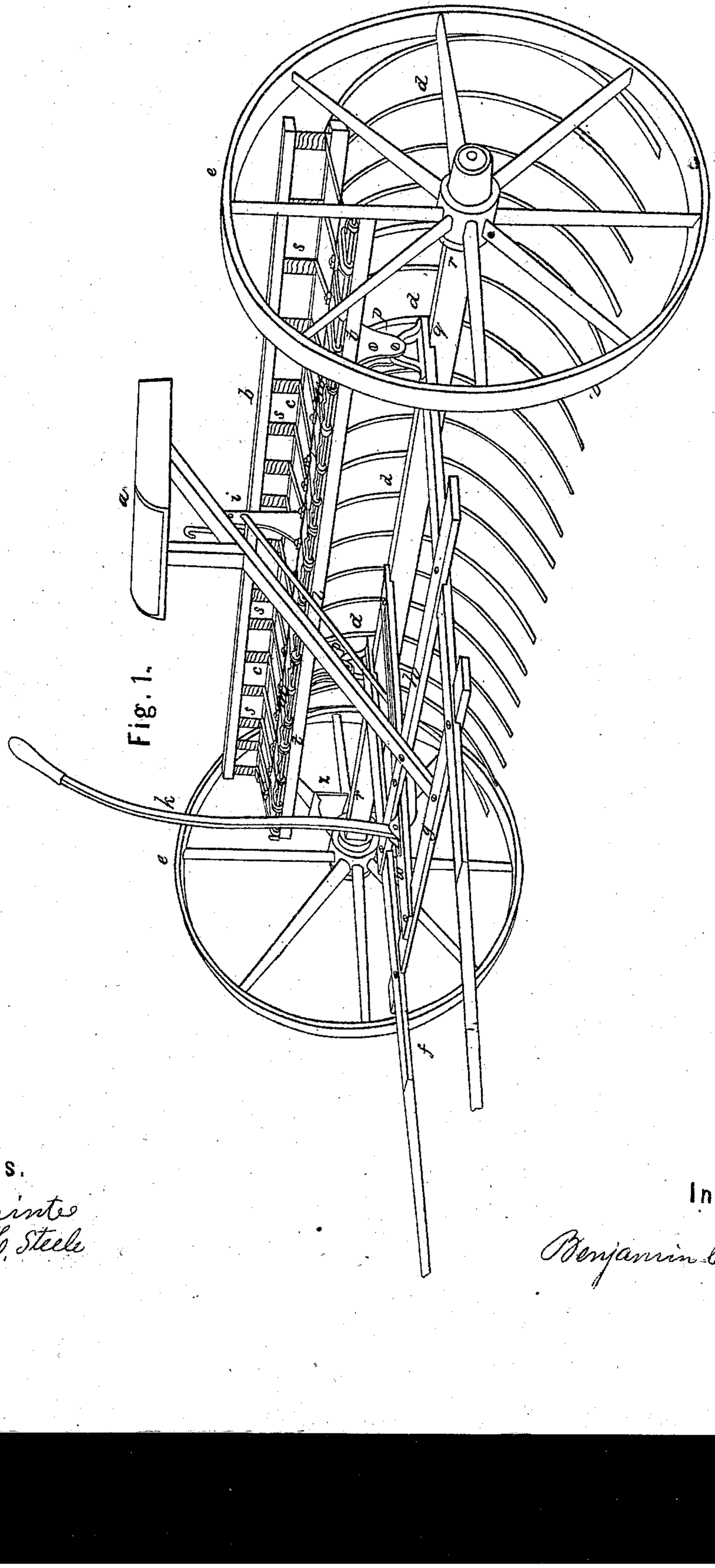

Fig. 1.

Witnesses.

John Painter
Joseph H. Steele

Inventor.

Benjamin C. Taylor

Sheet 2.
3 Sheets.

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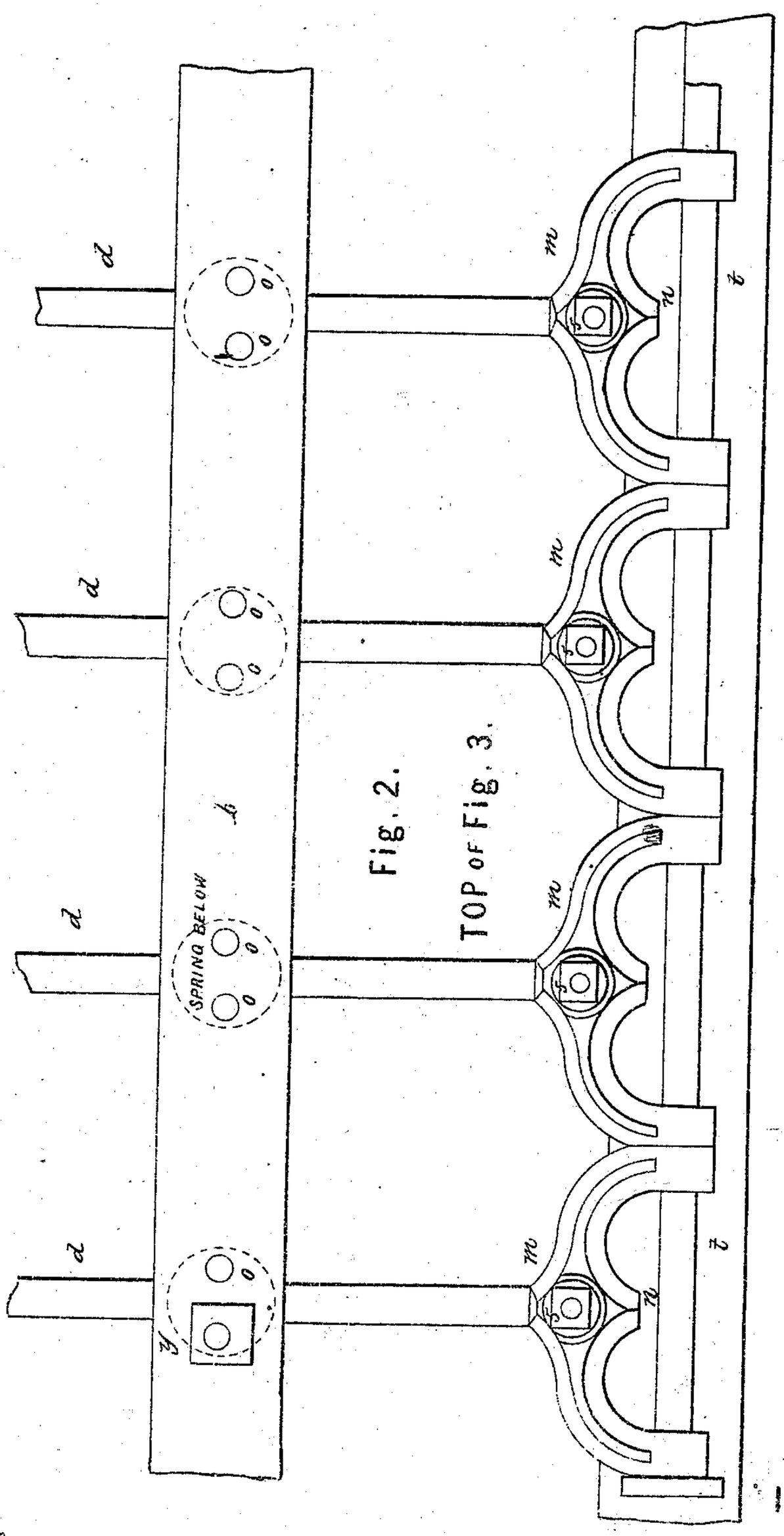

Fig. 2.

TOP of Fig. 3.

Witnesses.

John Painter
Joseph H. Steele

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Sheet 3.
3 Sheets.

B C Taylor.

Horse Rake.

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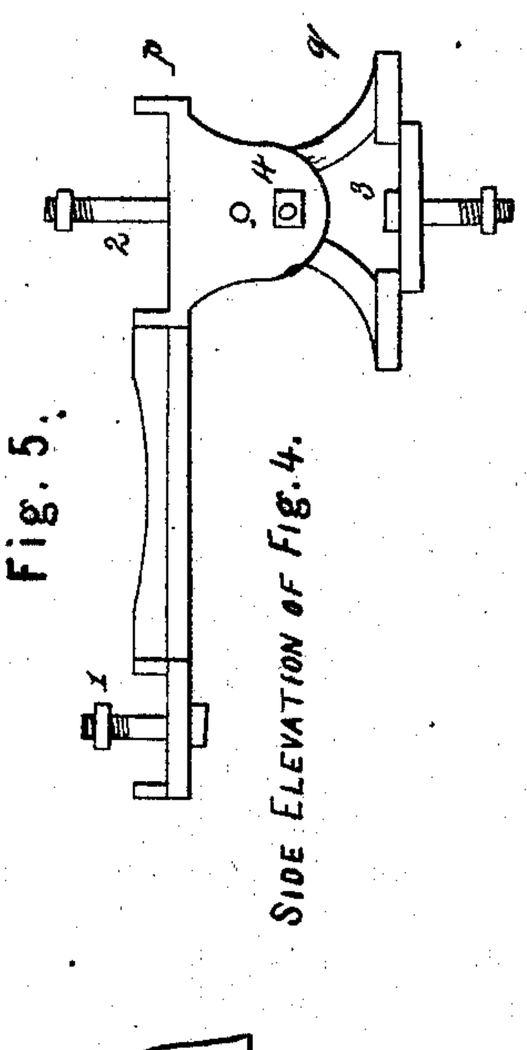
Fig. 5.



Side Elevation of Fig. 4.

Fig. 6.

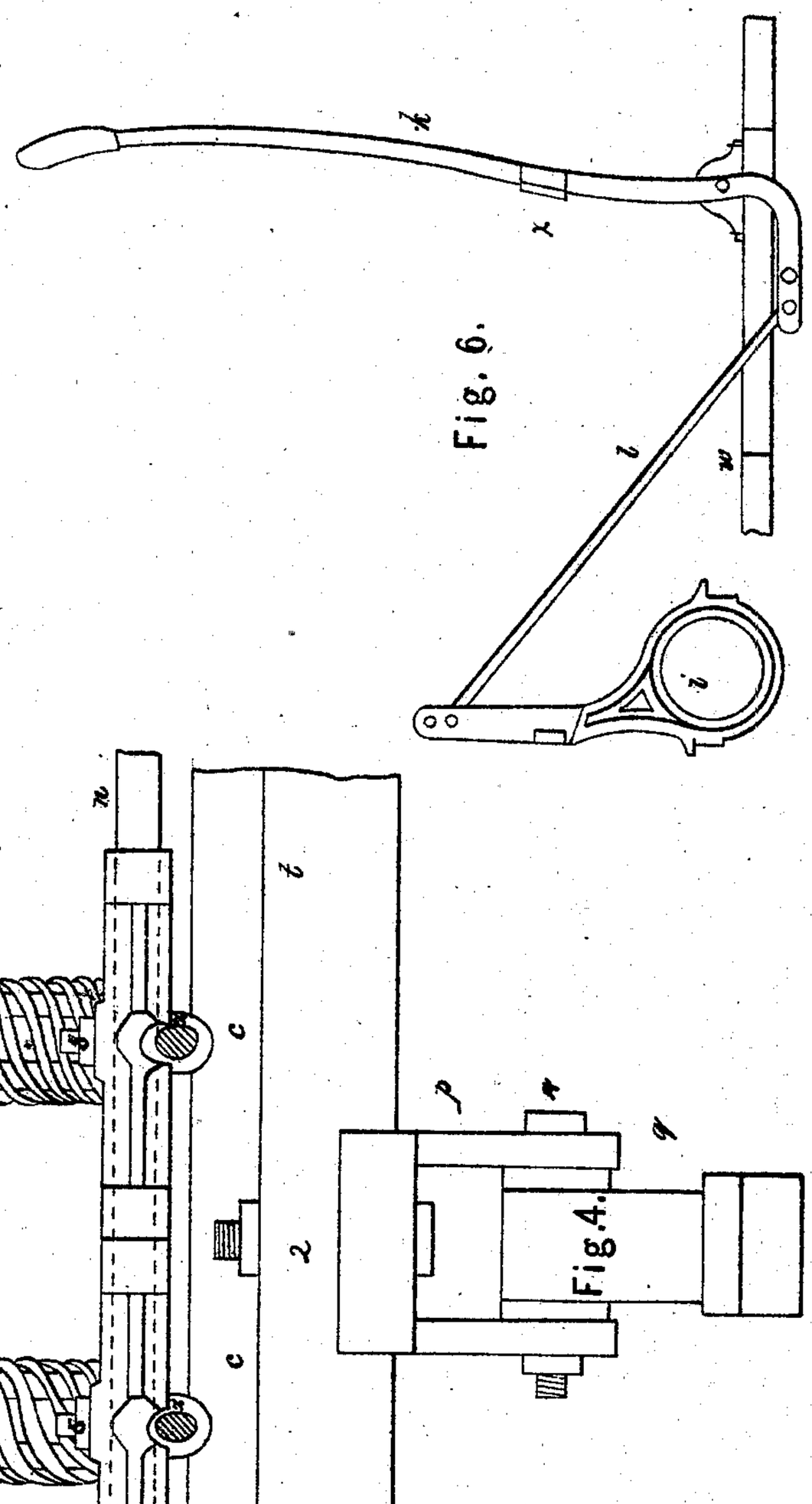


Fig. 3.

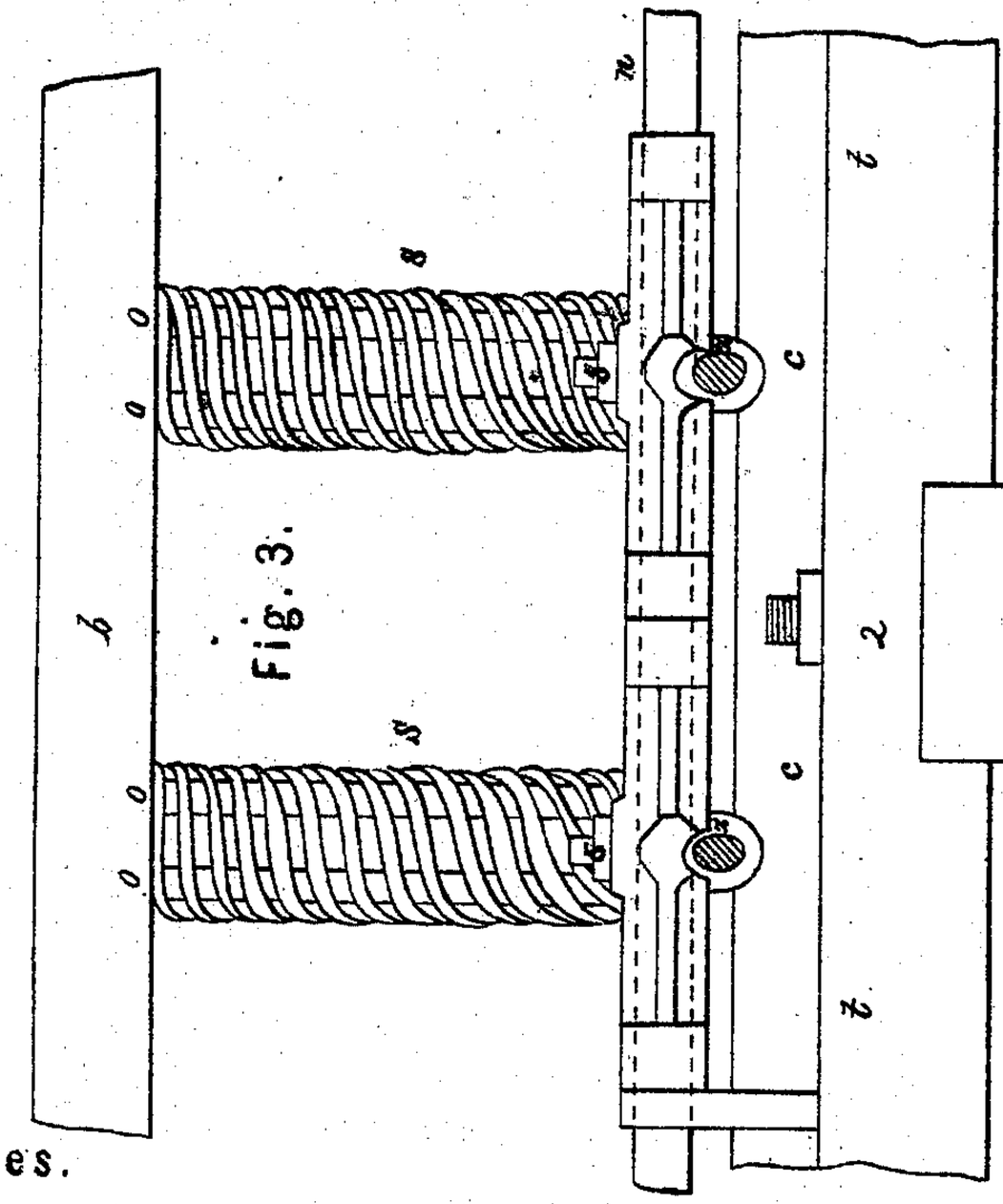


Fig. 4.

Witnesses.

John Painter
Joseph H. Steele

Inventor.

Benjamin C. Taylor

UNITED STATES PATENT OFFICE.

BENJAMIN C. TAYLOR, OF DAYTON, OHIO.

IMPROVEMENT IN HORSE-RAKES.

Specification forming part of Letters Patent No. **54,977**, dated May 22, 1866.

To all whom it may concern:

Be it known that I, BENJAMIN C. TAYLOR, of Dayton, in the county of Montgomery, in the State of Ohio, have invented a new and Improved Mode of Constructing Horse-Rakes; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Like letters and numerals occurring on the different figures refer to like parts.

The nature of my invention consists in several improvements in the construction of horse-rakes.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Figure 1 represents a perspective view of the horse-rake; Fig. 2, a top view of a section of the rocking frame. Fig. 3, a front elevation of a section of the rocking frame and the supporting-pieces, Fig. 4; Fig. 5, side elevation of the supporting-pieces; Fig. 6, side elevation of the lever and attachments.

The axle *r* and wheels *e* and shafts *f* are constructed in the usual manner. The shafts have two cross-pieces, *g* and *h*, to stay the shafts and form a support for the piece *w* and the seat *a*. The piece *w* supports the lever *k*. Bolts pass up through the axle, the shafts, and the supporting-piece *q* to hold the several parts securely together, as represented. The piece *q* is attached by a bolt, 4, to the upper supporting-piece *p*, which forms the base to the rocking frame, and to which the pieces of the frame *t c* are firmly bolted with bolts 1 and 2, Fig. 5. The piece *p* has two or more bolt-holes by which the rocking frame may be elevated or lowered. The rocking frame is composed of three pieces, *t c b*. The upper piece or spring-bar, *b*, is attached to the piece *c* by the two rods inside of each spring and the bolts which pass up through the bar, and the nuts of which are used to compress and relieve the springs. To the forward piece, *t*, of the frame is attached the piece *m*, Fig. 2, by the rod *n*, which passes through holes in the pieces *m*. To these pieces the ends of the teeth *d d* are fastened by bolts 5, Fig. 3, the teeth being represented at *z*. The teeth pass beneath the springs between the rods *o o*, Fig. 3, and over the piece *c*, the springs yielding so that uneven ground may be raked over.

The arm *i*, Fig. 6, is attached to the pieces *t c* of the frame, and to its upper end is attached the rod *l*, and to this rod is attached the lever *k*, which lever works within a slot of the piece *w* and has a fulcrum on the top of the same. To the lever *k* is affixed a foot-piece, *x*, by which the teeth are kept in contact with the ground by being pressed upon by the feet; and when it is desirable to raise the teeth the lever *k* is drawn toward the driver's seat, the frame moving freely on the bolt 4.

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

1. The supporting-pieces *p* and *q*, constructed and arranged substantially as described, and for the purposes specified.

2. The adjustable spring-bar *b*, when arranged with reference to the springs *s s* and the rods *o o*, substantially as and for the purpose specified.

BENJAMIN C. TAYLOR.

Witnesses:

JOHN PAINTER,

JOSEPH H. STEELE.