J. MUDGETT.

Hay-Tedder Teeth-Attachment.

No. 198,410. Patented Dec. 18, 1877.

Fig. 1

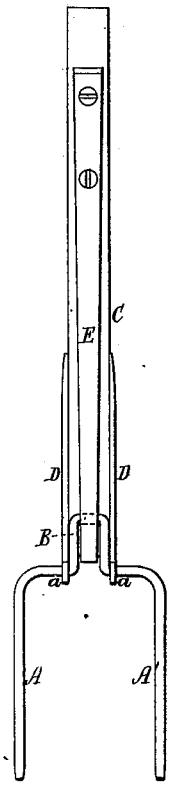


Fig. 2.

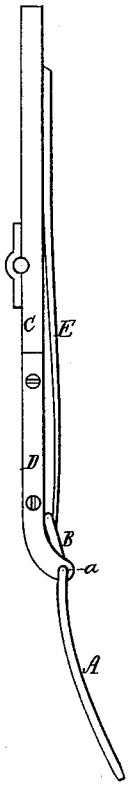
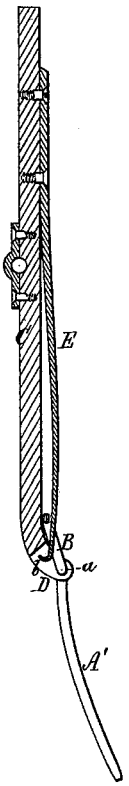


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN MUDGETT, OF SOUTH TUNBRIDGE, VERMONT.

IMPROVEMENT IN HAY-TEDDER-TEETH ATTACHMENTS.

Specification forming part of Letters Patent No. **198,410**, dated December 18, 1877; application filed September 18, 1877.

To all whom it may concern:

Be it known that I, JOHN MUDGETT, of South Tunbridge, of the county of Orange, of the State of Vermont, have made a new and useful Improvement in Hay-Tedder-Teeth Attachments; and do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a front view, Fig. 2 a side elevation, and Fig. 3 a longitudinal section, of a tooth-supporting arm and appliances containing my invention, which consists, first, in the combination of a hooked spring with the tooth-carrying arm and the two teeth pivoted thereto, and provided with the bell-crank, arranged with and connecting them, as set forth; second, in the combination of curved metallic hinge-pieces with a wooden carrying-arm and the hooked spring and the two teeth provided with the bell-crank, arranged with and connecting them, as set forth.

In the drawings, the two tedder-teeth are shown at A A′ as connected by a bell-crank, B, arranged with them, as set forth, all being in one piece of material. These teeth, near their junctions with the crank, are connected with the carrying arm or lever C by being pivoted thereto by means of two curved metallic bars or connection-pieces, D D, formed as shown, and fastened to opposite edges of the arm by screws or other means, the pivotal bearing of the arm being shown at *a*. There is also fixed to the arm a spring, E, whose free end is provided with a shoulder, or is bent or hooked, as shown at *b*. This spring bears on the middle part or wrist of the bell-crank B, and serves as an elastic support for the teeth. The hook is to prevent the crank-wrist from being turned off the spring during backward movement of the prongs or teeth A A′. The wrist of the bell-crank of the operative shaft of the tedder is to work in the pivotal bearing *a*, and the arm is to be operated thereby, and otherwise in the usual way.

When each tooth of a hay-tedder is controlled in its action by a spiral or helical spring at its heel, such tooth is very apt to get bent out of its proper position relatively to the others of the tedder. With my improvement or invention each tooth is not only firmly supported, but rendered stronger and less liable to derangement or working improperly out of place, and it will operate to much better adyantage.

I therefore claim as of my invention as follows:

1. The combination of the hooked spring E with the teeth-carrying arm or lever C and the two tedder-teeth A A′, pivoted thereto, and provided with the connecting bell-crank B, all being substantially as specified.

2. The combination of the curved metallic hinge-pieces D D, the wooden carrying-arm C, the hooked spring E, and the two hay-tedder teeth A A′, and their connecting bell-crank B, all being arranged substantially as set forth.

JOHN MUDGETT.

Witnesses:
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