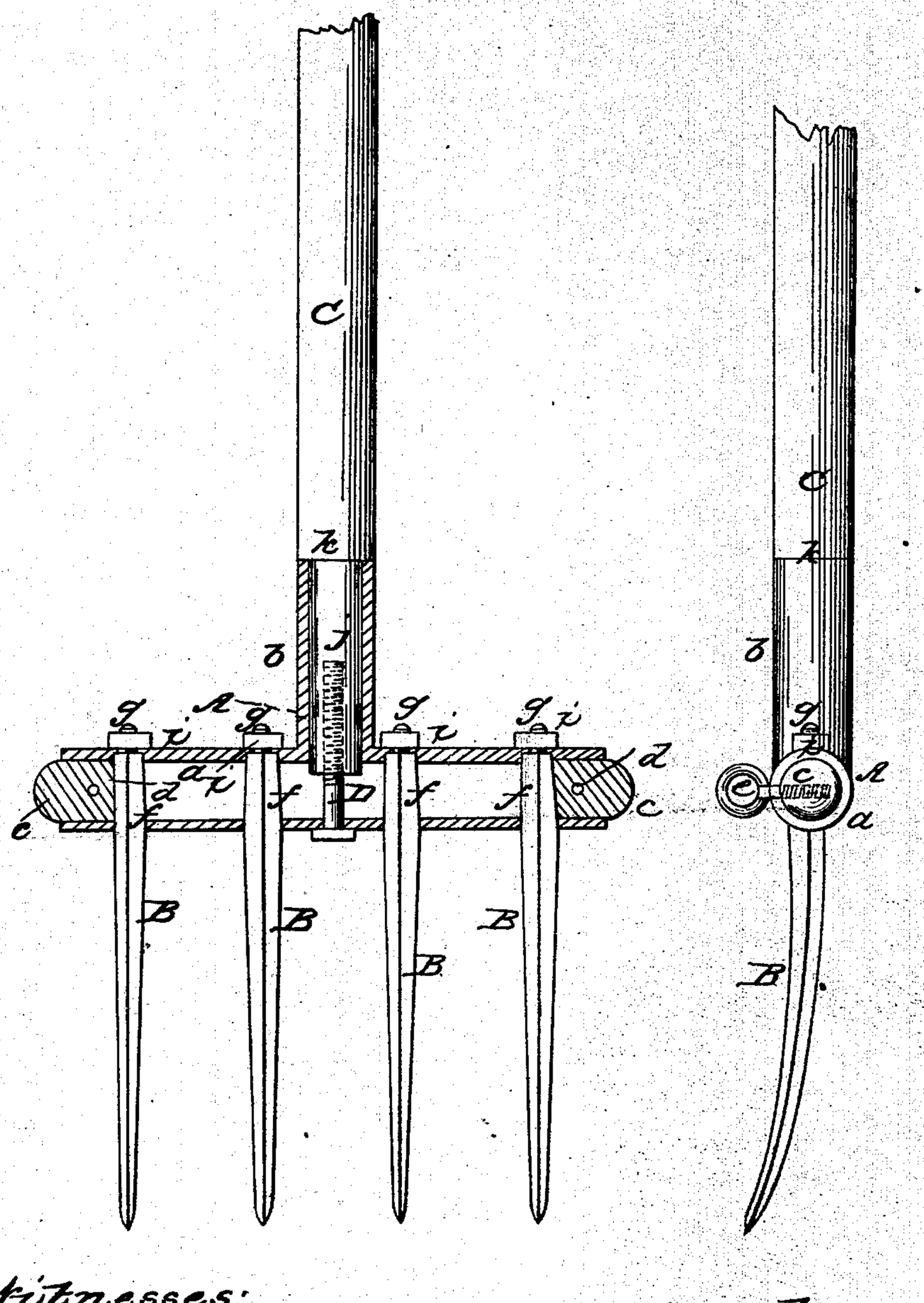
HERALD & TOMPKINS.

Horse Hay Fork.

No. 26,354. Patented Dec. 6, 1859.



Witnesses:
C. D. Gregg
Ellen Lovell

Inventors
J. Herald
C. B. Tompkins

UNITED STATES PATENT OFFICE.

JOHN HERALD AND C. B. TOMPKINS, OF TRUMANSBURG, NEW YORK.

IMPROVEMENT IN PITCHFORKS.

Specification forming part of Letters Patent No. **26,354**, dated December 6, 1859.

To all whom it may concern:

Be it known that we, J. HERALD and C. B. TOMPKINS, both of Trumansburg, in the county of Tompkins and State of New York, have invented a new and useful Improvement in Horse-Pitchforks; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a front sectional view of our invention. Fig. 2 is a side or edge view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

This invention relates to an improvement in the large class of pitch or hay forks that are operated by a horse and attendant. The object of the within-described invention is to render this class of forks much more durable than usual, and at the same time reduce the cost of construction.

To enable those skilled in the art to fully understand and construct our invention, we will proceed to describe it.

A represents the head of the fork, which is of metal, of T form, and tubular. The part *a* is the portion through which the teeth of the fork pass and are perfectly secured, and the part *b* is the socket into which the handle is fitted. Into each end of the part *a* a wooden plug, *c*, is fitted. These plugs may be secured in the ends of the part *a* by the screw-tangs *d* of eyes *e*, to which the lifting rope or chain is attached.

The teeth B may be of the usual taper quadrilateral form, and their upper ends or tangs, *f*, are tapered in a direction reverse to their exposed parts, and each terminate in a screw, *g*, said screws passing through the upper side of the part *a* of the head, the quadrilateral portions of the tangs fitting in corresponding shaped openings in the lower side of the part *a* of the head, the tangs being firmly secured in said part *a* by screwing up nuts *i* on the screw portion *g* of the tangs, as shown clearly in Fig. 1.

C is a wooden handle, which has a round tenon, *j*, cut on its end. This tenon fits into the socket *b* of the head, the exterior of the socket and handle being flush with each other, and the end of the socket bearing against a shoulder, *k*, which is formed on the handle by the tenon *j*.

D is a screw, which passes transversely through the part *a* of the head and longitudinally into the end of the tenon *j* of the handle. (See Fig. 1.) By turning this screw D the handle is firmly secured to the head, the tenon *j* being drawn snugly within the socket *b*.

By this improvement a very durable and cheap implement is obtained, and one that may be readily repaired, when necessary, by the user. The head A will last indefinitely, and whenever required a new handle or tooth or a complete new set of teeth may be adjusted to the head with the greatest facility.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The arrangement of the hollow head A, tines B, passing through the head, socket *b*, handle C, screw D, plugs *c*, and screw-tangs *d*, as and for the purpose herein shown and described.

J. HERALD.
C. B. TOMPKINS.

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C. P. GREGG,
EBER LOVELL.