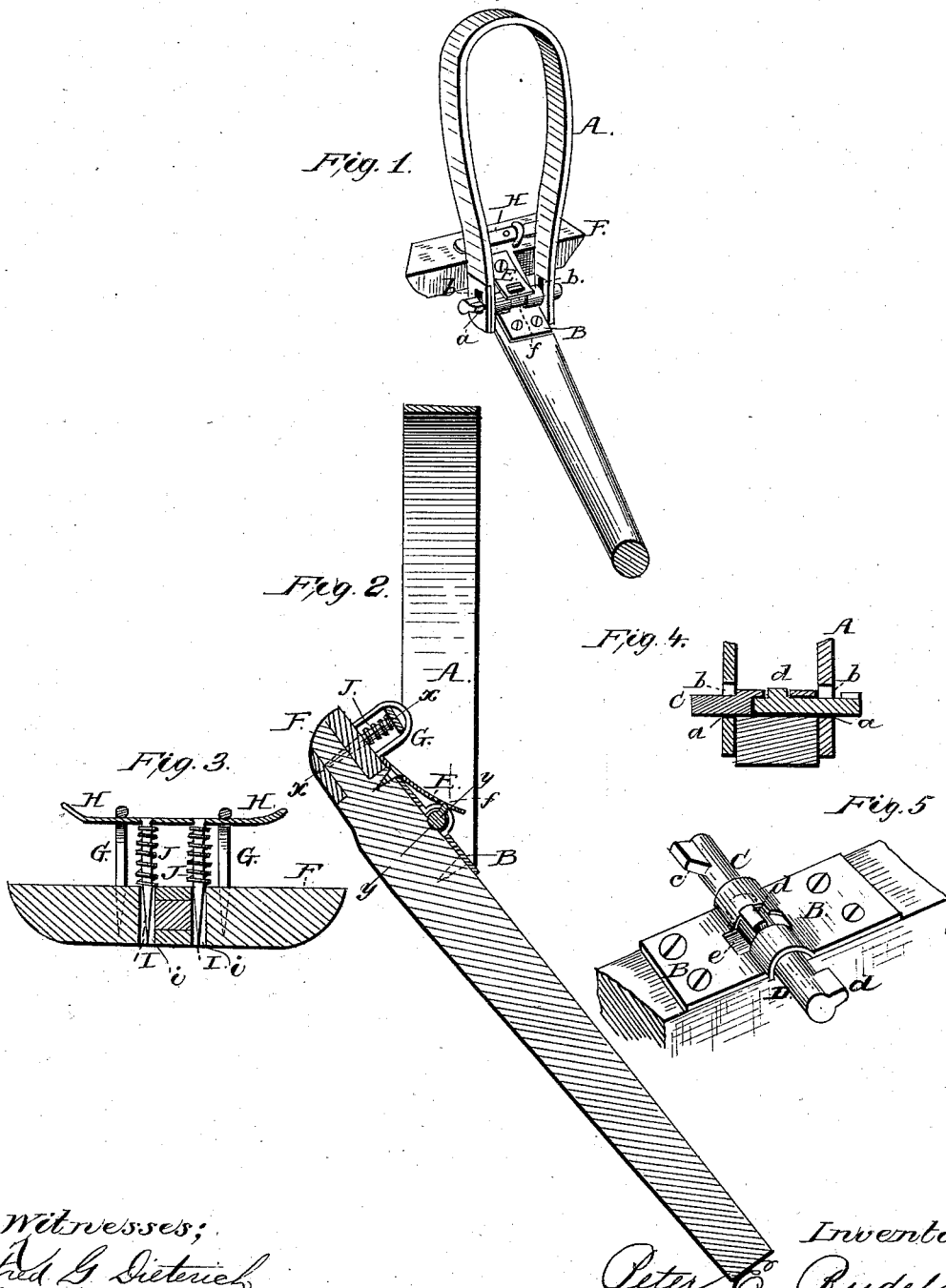


P. E. RUDEL.
Animal-Poke.

No. 219,654.

Patented Sept. 16, 1879.



Witnesses;
And G. Dietrich
J. R. Littell

Inventor;
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Attys.

UNITED STATES PATENT OFFICE.

PETER E. RUDEL, OF GRAND RAPIDS, MICHIGAN.

IMPROVEMENT IN ANIMAL-POKES.

Specification forming part of Letters Patent No. **219,654**, dated September 16, 1879; application filed July 22, 1879.

To all whom it may concern:

Be it known that I, PETER E. RUDEL, of Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Animal-Pokes; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view. Fig. 2 is a sectional view taken longitudinally through the stale. Fig. 3 is a cross-section on the line *x x*, Fig. 2. Fig. 4 is a cross-section on the line *y y*, Fig. 2; and Fig. 5 is a detail view of the fastening.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to animal-pokes; and it consists, essentially, in an improved lock or fastening for attaching and securing the bow or yoke to the stale, the construction of which said lock or fastening will be hereinafter more fully described, and particularly pointed out in the claim.

In the drawings, A represents the yoke or bow, the ends of which are provided with holes *a*, from which slots *b* project in an upward direction toward the bend of the bow.

B represents a plate, secured upon the front side of the stale, and provided on one side with a laterally-projecting pin or pivot, C, fitting in the hole or bearing *a* on either side of the yoke, and provided at the end with a stud, *c*, adapted to pass through the slot *b*, but which will, when the yoke is turned to the position shown in Fig. 1, prevent the withdrawal of the yoke from the pivot.

In the plate B is formed a bearing for a pivot or key, D, constructed like the pivot or key C *c*, and adapted to engage the bearing-hole at the opposite end of the yoke.

The key D is retained in its bearing by a stud, *d*, formed upon its shank or shaft, and working in a slot, *e*, in plate B, which permits it to make about one-fourth of a revolution.

E is a flat spring secured upon the stale

above plate B, and having a notch or slot, *f*, adapted to receive the stud *d* upon key D, which latter may thereby be kept in a locked position.

When locked the stud or bit upon key D should point in a direction opposite to the bit *c* of key C, as shown.

To remove the bow from the stale, it should be turned to such a position that its one side may be disengaged from the fixed key C, which latter should have its bit pointed toward the lower end of the stale, thus making it impossible for this position to be assumed when the poke is in position upon the animal. One side of the yoke having thus been disengaged, the spring E is lifted, so as to release the stud *d* of key D, which latter may now readily be turned to such a position that the bow may be removed. To readjust the bow, the above operation is reversed.

The cross-piece F, at the upper end or head of the stale, is provided with bails G G, between which is placed a plate, H, provided with sharp-pointed pins I I, which pass through perforations *i* in the cross-piece F.

Springs J J are coiled around the pins I I and work against the plate H and cross-piece F, thus preventing the points from projecting upon the rear side of the cross-piece until the animal wearing the poke shall attempt to interfere with fences, when the pressure of the plate H against the yoke will cause the points to protrude and prick the breast of the animal.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

As an improvement in fastenings for animal-pokes, the plate B, having slot *e* and rigid projection or key C *c*, in combination with the key D, having stud *d*, and the spring E, having slot *f*, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

P. E. RUDEL.

Witnesses:

HENRY S. SMITH,
LADD J. LEWIS.