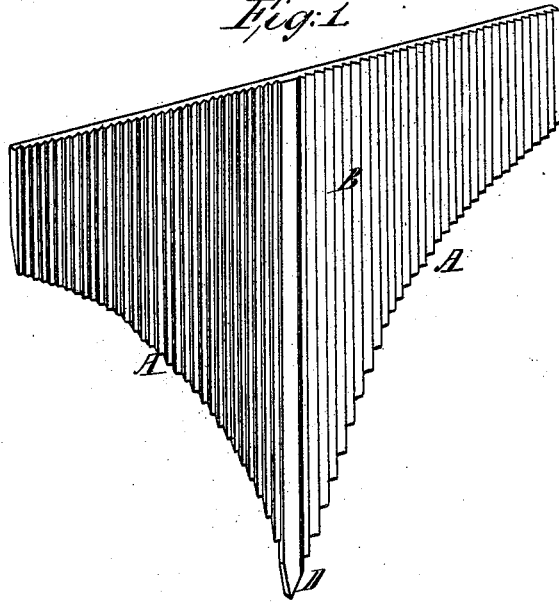


*G. Utley.*  
*Straw Cutter.*

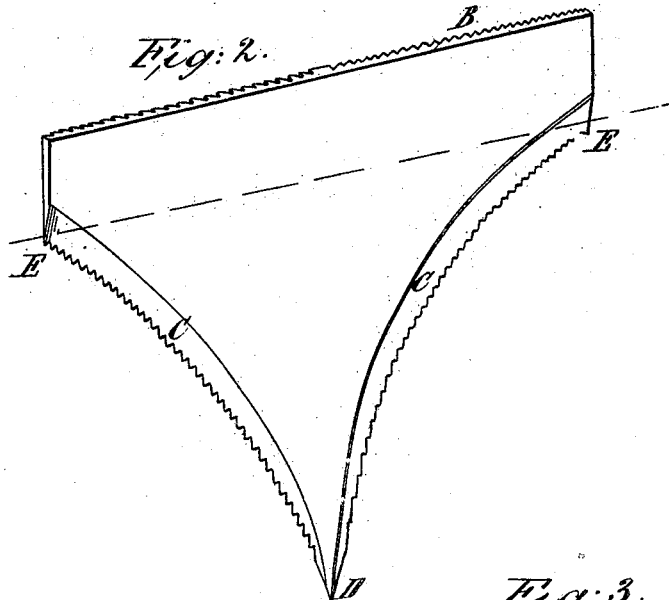
*N<sup>o</sup> 54,446.*

*Patented May 1, 1866.*

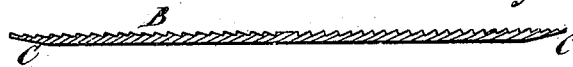
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*witnesses.*

*L. Luchs*  
*James Nottingham*

*Inventor.*

*Grey Utley*

*By his Atty*

*J. Franklin Reigart*

# UNITED STATES PATENT OFFICE.

GREY UTLEY, OF PETERSBURG, VIRGINIA.

## IMPROVEMENT IN STRAW-CUTTING KNIVES.

Specification forming part of Letters Patent No. 54,446, dated May 1, 1866.

*To all whom it may concern:*

Be it known that I, GREY UTLEY, of Petersburg, Dinwiddie county, State of Virginia, have invented new and useful Improvements on Knives for Straw-Cutters; and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in constructing the face of the knife with vertical and angular grooves, so as to form diagonal-shaped teeth beveled on the opposite side.

Figure 1 represents the shape of the blade or knife with its vertical and angular grooves on its face. Fig. 2 shows the bevel-edges; Fig. 3, a top view of the blade.

A is a series of diagonal edges or teeth, formed by the angular or incline vertical grooves B on the face of the knife, and by a bevel-edge, C, on the front of the knife, extending to a point, D, at the center in a con-

cave sweep or curved line from each side E at top.

The advantages are the edges are easily ground and kept sharp by grinding the bevel on the front of the knife, instead of the trouble and time consumed in filing the teeth, which gives also a much sharper edge to the teeth than by filing, and in the cutting operation the straw or cornstalks are cut diagonally with greater facility and ease, and easier for the operator than when the knife-edges descend and cut the straw square off.

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

The construction of the blade of the knife having the vertical and angular grooves on its face to form the diagonal-shaped teeth, as herein described, and for the purposes set forth.

GREY UTLEY.

Witnesses:

J. FRANKLIN REIGART,  
EDM. F. BROWN.