

F. SEIFERT.  
 Harness Tug-Buckles.

No. 135,601.

Patented Feb. 4, 1873.

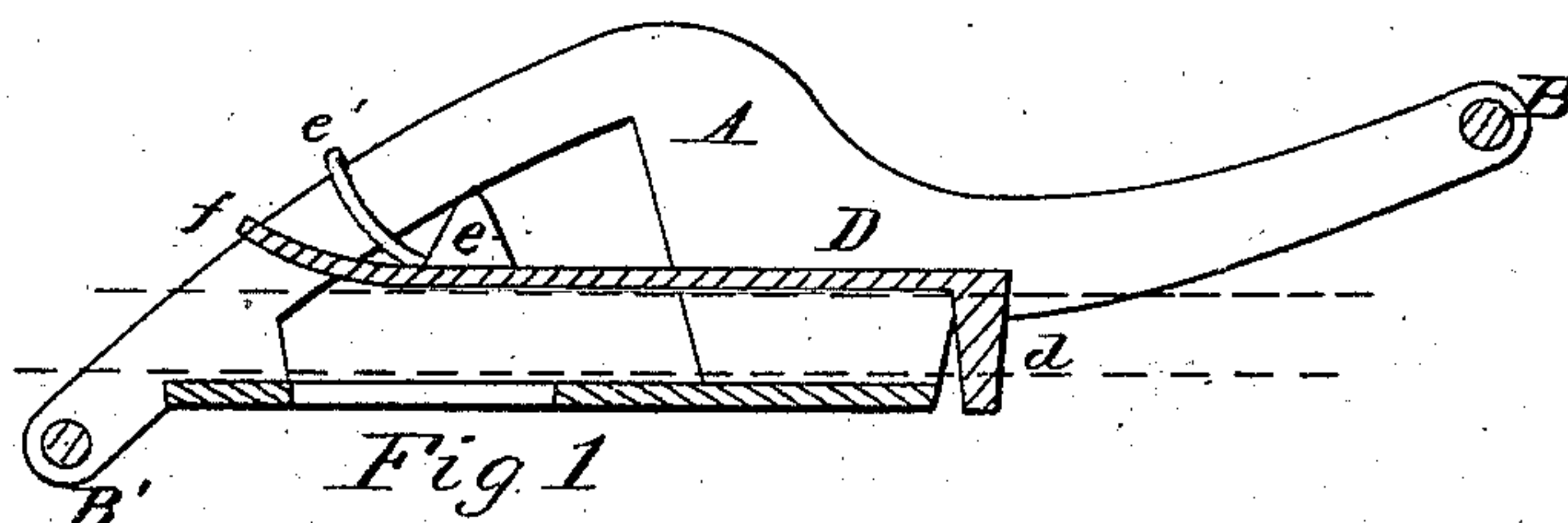


Fig 1

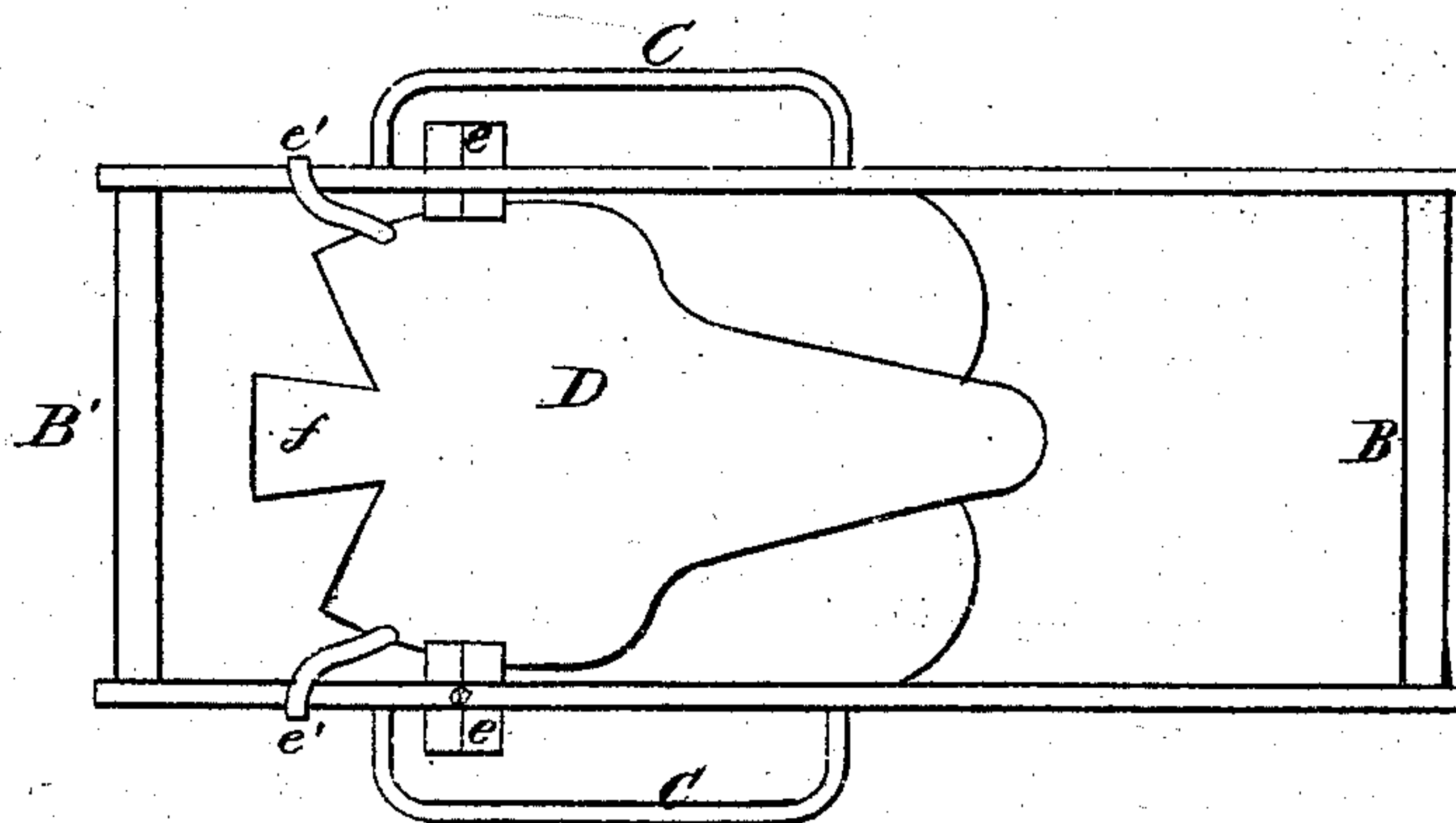


Fig. 2.

Witnesses  
 Phil C. Measi.  
 C. B. Steele

Inventor  
 Fred Seifert  
 Chipman & Sonnet & Co.  
 Attorneys.

# UNITED STATES PATENT OFFICE.

FRED. SEIFERT, OF KNOXVILLE, IOWA.

## IMPROVEMENT IN HARNESS-TUG BUCKLES.

Specification forming part of Letters Patent No. **135,601**, dated February 4, 1873.

*To all whom it may concern:*

Be it known that I, FRED. SEIFERT, of Knoxville, in the county of Marion and State of Iowa, have invented a new and valuable Improvement in Harness-Tug Buckles; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a section of my harness-tug buckle. Fig. 2 is a top view of same.

This invention has relation to harness-tug buckles; and it consists in the construction and novel arrangement of the sliding-wedge plate, as and for the purpose hereinafter more fully explained.

A in the drawing designates the buckle-frame, having the end bars B B' and side loops C, for the attachment of the well-known harness-straps, the harness-tug being attached to the bar B. D designates the sliding wedge-plate, having a stud, *d*, to enter one of a set of holes in the trace, shown in dotted lines. The buckle-frame has inclined side openings, with the inclined portions of which the edges of the buckle-sides coincide. The buckle-plate

has side arms *e*, which pass through the inclined openings and serve as mediums whereby the required pressure of the buckle-plate against the trace is obtained when the latter is strained. The buckle-plate is also provided with curved arms *e'* at the sides, which extend over the edges of the buckle-sides and rest thereon, as shown. Behind these arms the buckle-plate is provided with an outwardly-curved thumb-piece, *f*, which, being pressed upon, disengages the stud *d* from the trace—the arms *e'* serving as fulcrums upon which the buckle-plate may turn.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a harness-tug buckle having inclined side openings and edges, the sliding buckle-plate D having the stud *d*, wedging-arms *e*, movable fulcrums *e'*, and thumb-piece *f*, all substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

FRED. SEIFERT.

Witnesses:

R. H. UNDERHILL,  
C. C. COLLINS.