

J. E. CURD.
Device for Splicing Traces.

No. 226,496.

Patented April 13, 1880.

Fig. 1

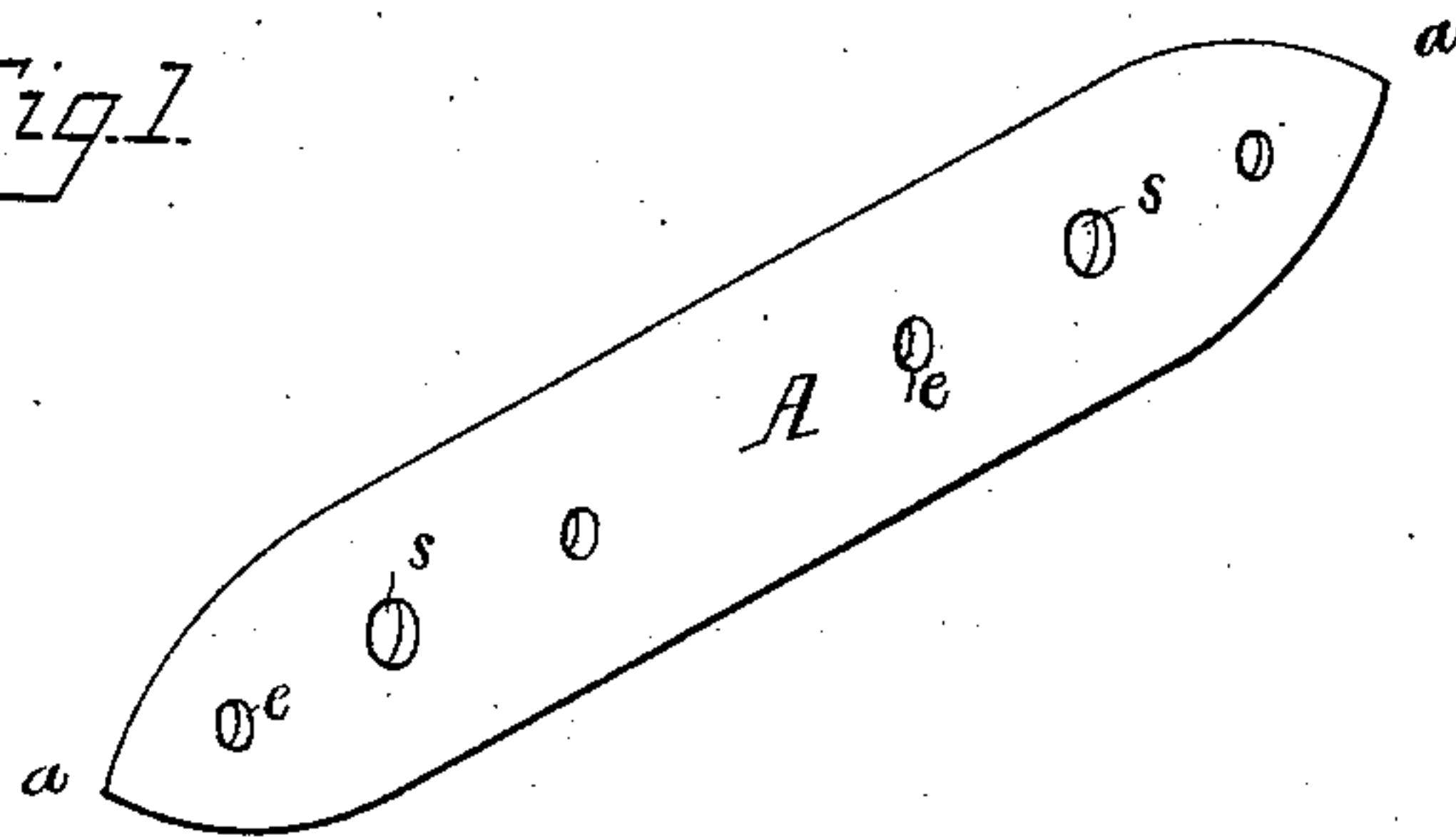


Fig. 2

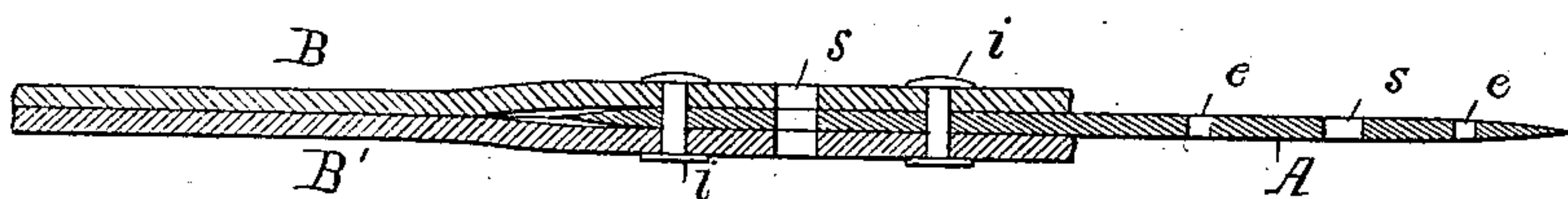
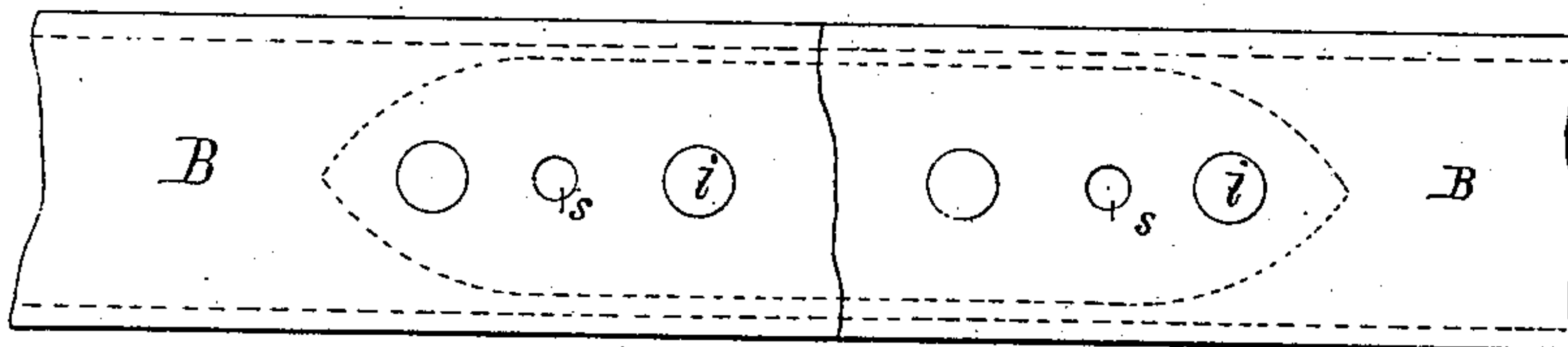


Fig. 3



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By his atty
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UNITED STATES PATENT OFFICE.

JOSEPH E. CURD, OF CHARLESTON, ILLINOIS.

DEVICE FOR SPLICING TRACES.

SPECIFICATION forming part of Letters Patent No. 226,496, dated April 13, 1880.

Application filed February 2, 1880.

To all whom it may concern:

Be it known that I, JOSEPH E. CURD, of Charleston, Coles county, State of Illinois, have invented an Improved Device for Splicing
5 Traces, of which the following is a specification.

My invention is a splice intended to facilitate the repair of broken traces.

In the accompanying drawings, forming part
10 of this specification, Figure 1 is a perspective view of my improved trace-splice. Fig. 2 is a section, showing the same connected to one end of a broken trace; Fig. 3, an external
15 view of a trace repaired by means of the splice.

As is well known, the repairing of a broken trace by means of external strips of leather sewed thereon, or of plates riveted to the outside, is not only tedious and expensive, but
20 results in a clumsy joint, presenting an unsightly appearance, and, when metal is used, injurious to the animal and to the vehicle.

My improved splice is a thin metal blade, A, sharpened or rounded at the edges, with
25 pointed ends *a* and openings *e*. This plate is of such a width that it may be inserted between the leathers B B' of one end of the broken harness, and there secured by rivets *i*, the other end projecting, as shown in
30 Fig. 2, when the other end of the trace may be slipped upon the same and fastened by rivets, as shown in Fig. 3. By this means the trace is rendered stronger than before, its thickness is not materially increased, while
35 the outside appearance is in no wise impaired.

To effect the repair when the trace breaks at a buckle-hole I provide the plate with one or more openings, *s*, which may be brought to coincide with the holes in the trace before riveting.

I am aware that traces have been mended
40 by sewing strips of leather across the point where the trace was broken; but this can only be done by a skillful workman with proper appliances, whereas the blade above described, 45 owing to its pointed ends, may be readily inserted in the space between the leather sides, cross-holes cut with a knife or any other pointed implement, and bolts or rivets inserted without
50 detaching the horse, and at any point on the road, by any one capable of perforating the leather. When thus inserted the strength of the trace is in no wise diminished, while there
55 are no protuberances to rub against the body of the animal.

I claim—

The within-described splice for mending harness, consisting of a thin metallic blade, pointed at both ends, perforated, and adapted to fit between the leathers of the band and to
60 be secured thereto by bolts or rivets, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

J. E. CURD.

Witnesses:

DANIEL CURD,
JOHN ADAMS.