

(No Model.)

H. KELLY.

LOOM PICKER.

No. 397,649.

Patented Feb. 12, 1889.

Fig. 1

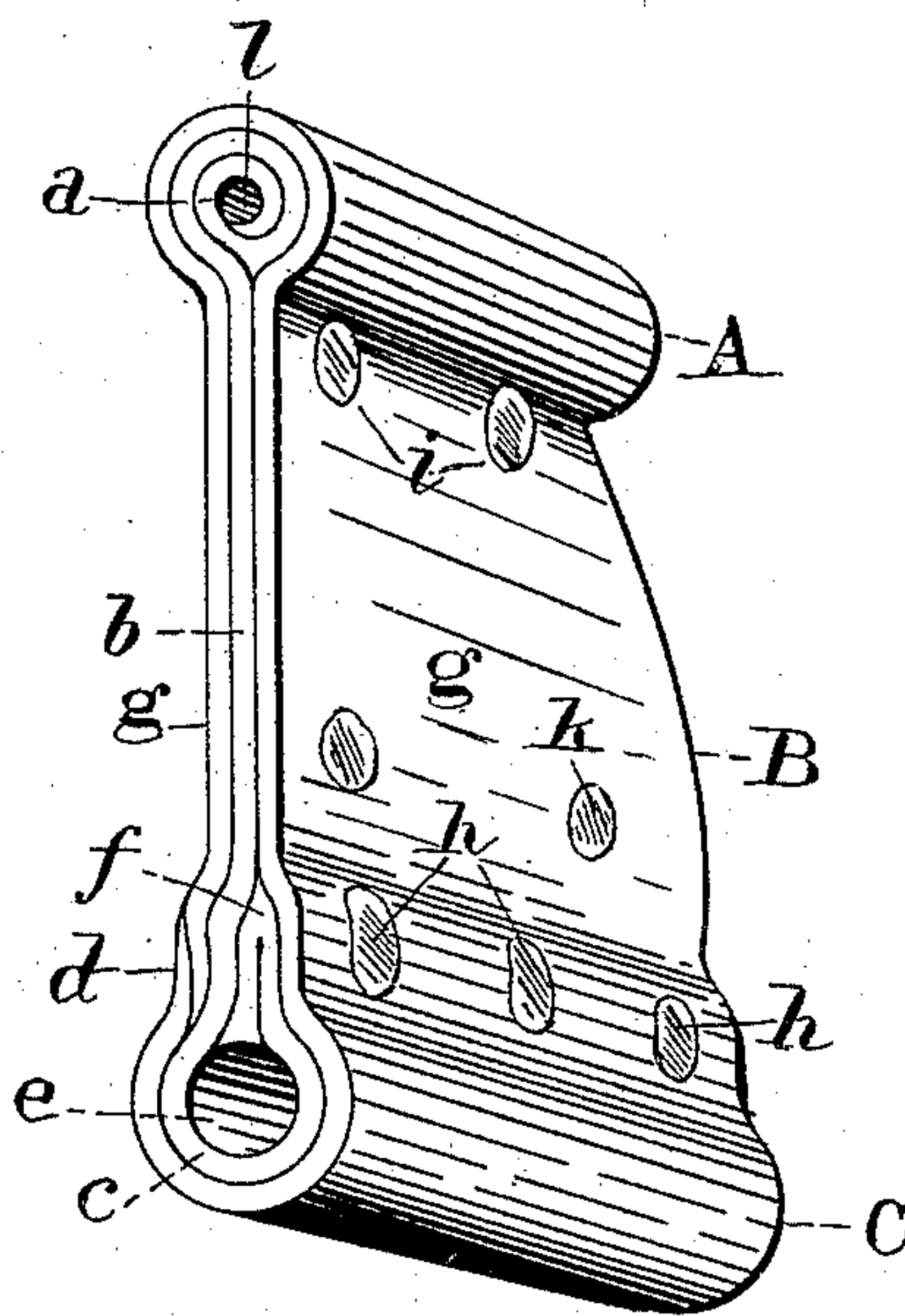
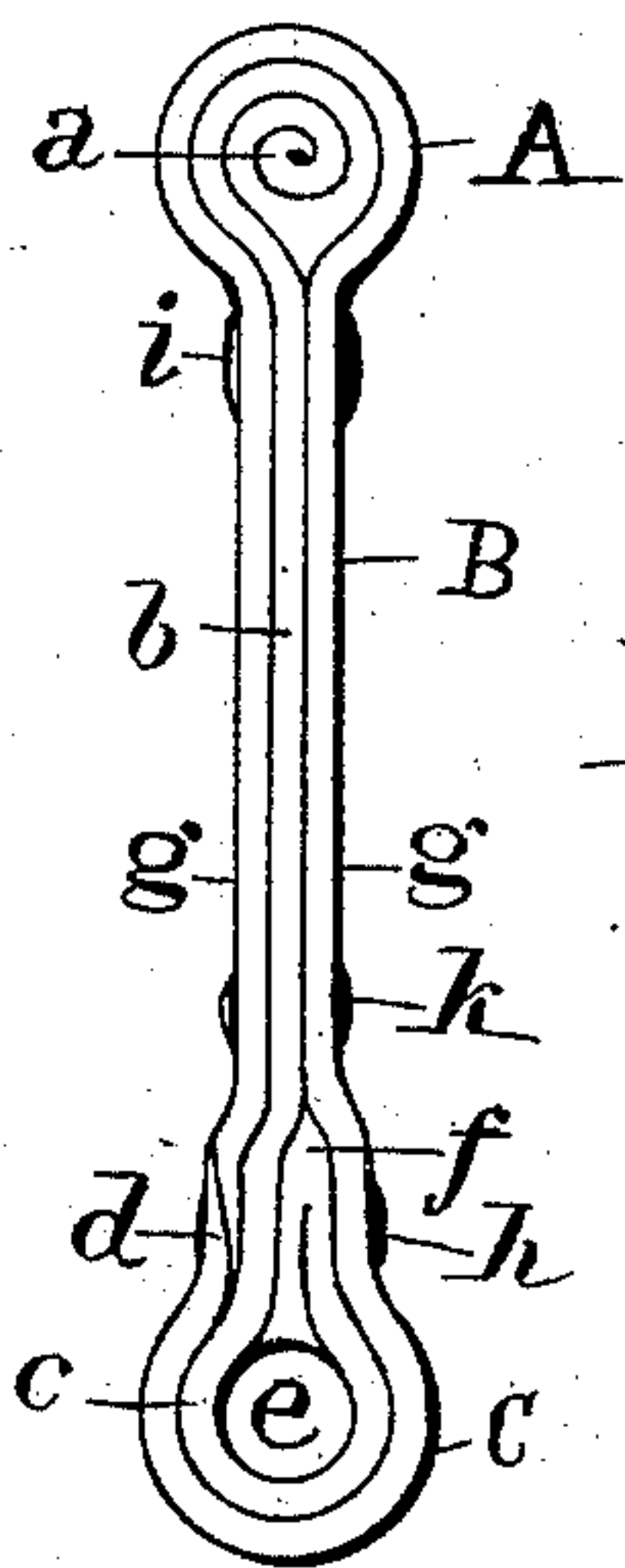


Fig. 2.



Witnesses.

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HAROLD KELLY, OF BIDDEFORD, MAINE.

LOOM-PICKER.

SPECIFICATION forming part of Letters Patent No. 397,649, dated February 12, 1889.

Application filed July 20, 1888. Serial No. 280,505. (No model.)

To all whom it may concern:

Be it known that I, HAROLD KELLY, of Biddeford, in the county of York and State of Maine, have invented certain new and useful
5 Improvements in Loom-Pickers; 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 draw-
10 ings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in loom-pickers, and is specially designed to pro-
15 duce a picker of rawhide that shall be economical in manufacture, durable in use, and one that is shapely in form, and therefore easy and perfect in operation. It is also de-
20 signed to overcome the tendency which the point of the shuttle often has to work out through the side of the picker-head.

It consists of two pieces of rawhide, one of which forms the filling and the other the out-
side inclosing-wrapper.

25 In the drawings herewith accompanying, Figure 1 is a perspective of my improved picker, showing a hole in the head to guide the shuttle-point. Fig. 2 is an end elevation showing the head solid, the same letters re-
30 ferring to like parts in both figures.

In the said drawings, A represents the head, B the shank, and C the rod-holder, of my improved picker. The filling consists of
35 a head part, *a*, formed by rolling up one end of a strip of rawhide of suitable shape, the shank part *b*, formed by the middle of the said inner strip, extending out from the head A, and down through the shank B, and the
40 rod-holder part *c*, formed by turning the said inner strip to form the rod-hole *e*, and then folding it back upon itself to form the wedge-shaped filling-plug *f*, substantially as shown in Fig. 2.

The interior or filling of the picker when
45 thus formed and arranged I cover with a jacket, *g*, of rawhide. Said jacket, like the filling, is made of a single piece. It should begin close up to the rod-hole, thence extend along the shank *b*, around the head *a*, thence
50 back along the other side of the shank *b*, thence around the part *c*, and until it over-

laps more or less the point of beginning, so that the rivets *h* in front of the rod-hole may pass through both ends of the jacket, the fill-
ing, and the filling-plug *f*. In the shank 55 close to the head are set the rivets *i*, passing through jacket and filling. Other rivets, *k*, can be set in the shank at will. The filling being in one piece, the rivets *i* near the head render it unnecessary to have rivets in the
60 head, because these rivets hold the filling as well in the head as in the shank rigidly and permanently within the jacket. The shank-filling, being integral with and extending out
65 from the head-filling, enables the jacket to fit in closely around the head-filling, so that the rivets can be set close up to the head, thus giving a uniform and shapely head, and a
70 shank of uniform thickness, which result cannot be attained by the old method of making the shank, the head-cap, and filling of differ-
ent pieces.

In rawhide pickers as now made it often happens that the point of the shuttle will
75 tend to work out at one side of the picker-head, following an imperfect or softer part of the filling substance. The point of the shuttle being sharp and the end conical, it tends strongly to follow the direction first taken,
80 and hence renders the picker useless much sooner than otherwise would happen. To obviate this difficulty, I make in the rawhide picker-head a small round hole, passing lon-
85 gitudinally through the head at or near the center, as seen at *l* in Fig. 1. This hole *l* may be formed by drilling after the picker-head has been made solid, as shown in Fig. 2, or it may be made by rolling the filling of the head
90 around a cylindrical rod and then withdrawing the rod. While the hole *l* is useful in all rawhide pickers of whatsoever make, it is es-
pecially adapted to those in which the head-filling is formed by rolling up the rawhide, as in the present invention. The rivets may
95 of course have their heads embedded in the hide, so that the shank part will be perfectly smooth. The object of having the rod-hole formed in the filling is to strengthen the picker at this point. The filling might ter-
100minate just in front of the rod-hole; but the part surrounding the rod-hole would then be much weaker.

Having described my invention and its use, what I claim, and desire to secure by Letters Patent of the United States, is—

1. In a loom-picker, the combination, with
5 an outside jacket, of an inside filling made from a single piece of material, one end being rolled into a coil for the head, a straight middle part extending down through the shank and the other end folded around the
10 rod-hole, said jacket and filling being held together by rivets, substantially as and for the purposes hereinbefore set forth.

2. In a loom-picker, the combination, with
15 an outside jacket, of an inside filling made of a single piece of material, one end being rolled into a coil for the head and the other or free end extending down into the shank within the jacket, and rivets holding the jacket and filling together, substantially as
20 set forth.

3. In a loom-picker, the combination, with an outside jacket, of an inner filling made of a single piece of material, one end being rolled into a coil for the head, the middle part extending down through the shank and
25 the other end folded around the rod-hole, extending back a short distance, and then turned back upon itself in front of the rod-hole, said jacket and filling being held together by rivets, substantially as and for the
30 purposes set forth.

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

HAROLD KELLY.

Witnesses:

C. H. PARCHER,
C. T. S. BLAKE.