R. REISINGER.

SLEDGE.

APPLICATION FILED APR. 4, 1910.

1,070,915.

Patented Aug. 19, 1913.

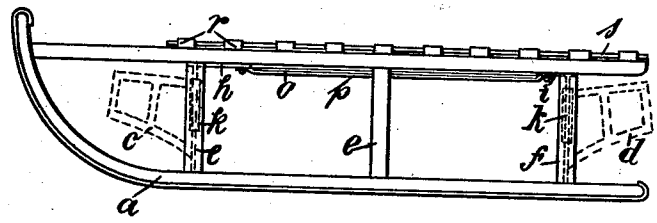


FIG. 1.

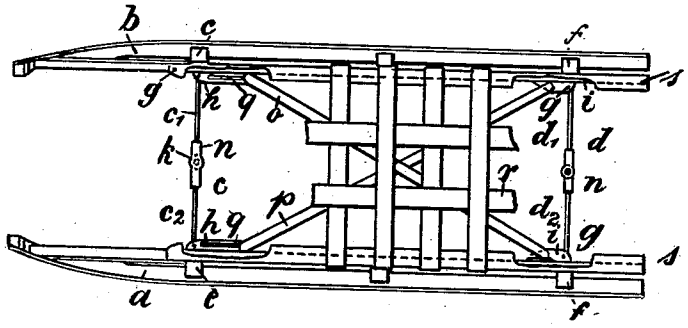


FIG. 2.

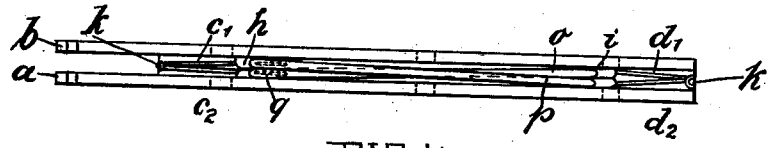


FIG. 4.

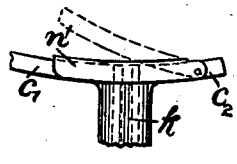


FIG. 5.

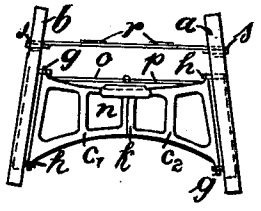


FIG. 3.

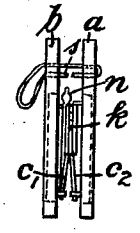


FIG. 6.

Witnesses:

Inventor:

Rudolf Reisinger

COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

# UNITED STATES PATENT OFFICE.

RUDOLF REISINGER, OF ZURICH, SWITZERLAND.

## SLEDGE.

1,070,915. Specification of Letters Patent. Patented Aug. 19, 1913.

Application filed April 4, 1910. Serial No. 553,280.

*To all whom it may concern:*

Be it known that I, RUDOLF REISINGER, a subject of the Emperor of Austria-Hungary, and residing at Zurich, Switzerland, have invented certain new and useful Improvements in Sledges, of which the following is a specification.

The present invention relates to a sledge which is adapted to be folded so as to facilitate packing and storing.

According to the present invention the side pieces of the sledge are for that purpose connected by means of jointed cross-pieces and pivoted stays and provided with a seat formed of straps, the whole arrangement being capable of folding into a very compact mass.

In the accompanying drawing the present invention is shown in a constructional form.

Figure 1 represents a side elevation, Fig. 2 a plan view, Fig. 3 a front elevation of the sledge. Fig. 4 is a plan view of the sledge folded together, the seat not being shown. Fig. 5 is a detail and Fig. 6 is a front view of the sledge folded together.

The sledge is composed of two side pieces *a* and *b*, connected by cross-pieces *c* and *d*. The latter are divided into two hingedly connected parts, $c^1$ $c^2$ and $d^1$ $d^2$ respectively, and are pivotally held by means of pivots *g* between brackets *h* and *i* on the legs *e*, *f* of the side pieces.

For the purpose of locking the cross-pieces in extended position in which the side pieces are suitably inclined to each other (see Fig. 2), clamps *n* of U-shaped cross-section are provided, said clamps being hinged to one part of each cross-piece and adapted to be placed over the edge across the hinge *k*, so as to make the latter rigid.

The structure is further strengthened by means of diagonal stays *o* and *p* which are pivoted at the rear to the bracket *i* and adapted to slide with their front ends in slots *q* in longitudinal extensions of the brackets *h*, there to be fastened by suitable means, for instance by wing-screws.

The seat of the sledge is formed by folding webbings *r*, which are secured by means of two laths *s* to the upper part of each side *a* and *b*. When the sledge is folded together the seat may assume any position, as exemplified in Fig. 6. As is further evident from the drawings, the two sides can be approached toward each other, in such a manner, that they lie close against each other, when the sledge is folded together.

In place of the diagonal stays shown levers may also be employed, which may be hinged with one end to the sides and be provided at the other with means for hooking them into eyes fitted on the other side. Furthermore only one transverse piece may be employed instead of two.

The sledge may be made entirely of wood, as shown, or partly of metal, say an alloy of aluminium.

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

A foldable sledge for sporting purposes comprising two side pieces inclined to each other in extended position, a foldable seat suitably attached to said side pieces, two pairs of brackets fixed to the inner sides of said side pieces, two jointed cross-pieces pivotally connected to said pairs of brackets respectively and formed with suitable inclined outer edges corresponding to the desired pitch of said side-pieces, a clasp hingedly connected to each of said cross-pieces and adapted to be applied thereto in extended position, two diagonal stays pivotally attached at the rear to upper brackets and adjustably connected to the upper front brackets, and longitudinal extensions formed on the upper front brackets and fitted with slots adapted to guide the front ends of said stays, substantially as set forth.

In testimony whereof, I affix my signature in the presence of two witnesses.

RUDOLF REISINGER.

Witnesses:
CARL GUBLER,
LOUIS METZ.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."