

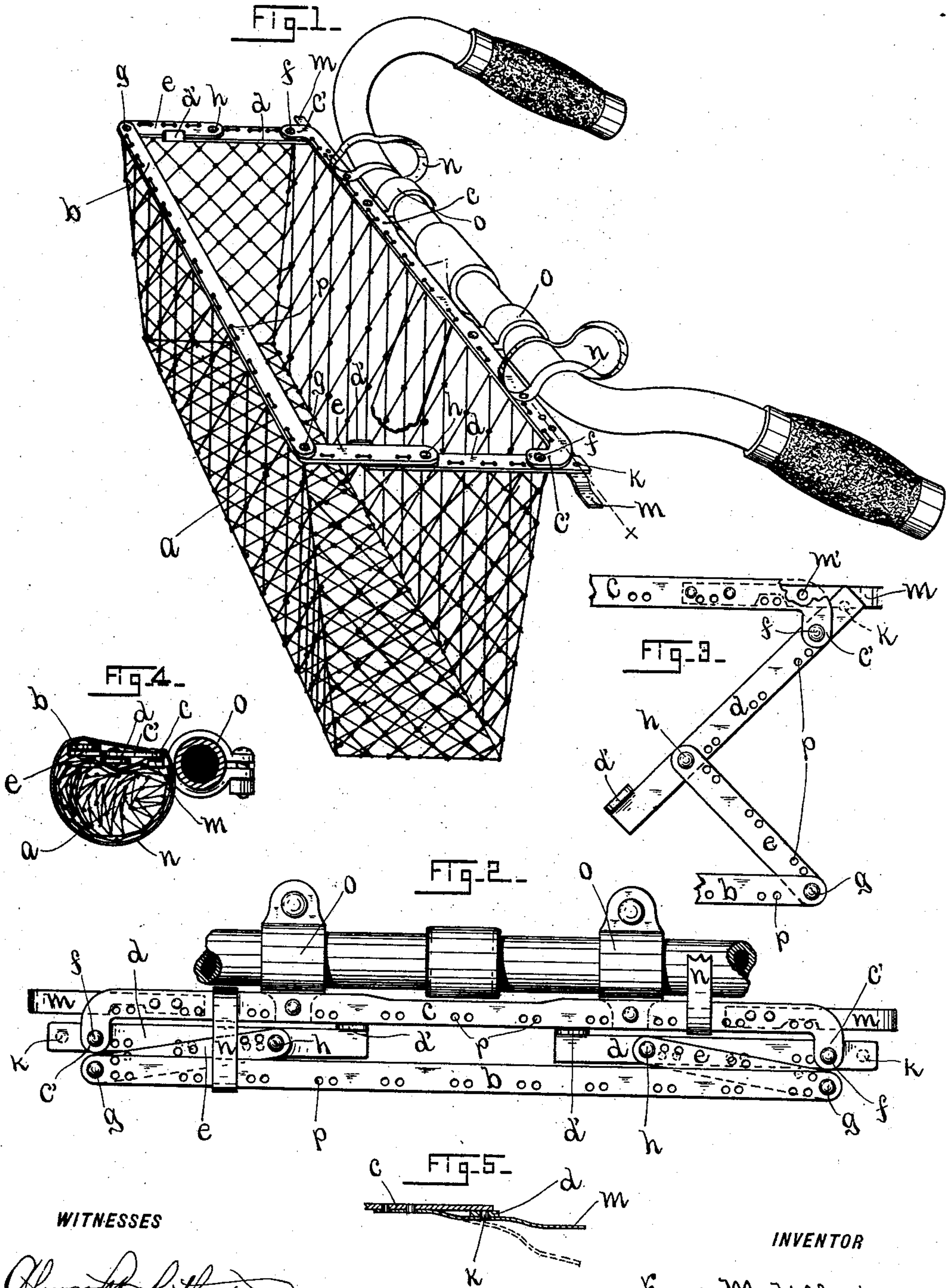
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Patented July 5, 1898.

F. M. UFFORD.
LUGGAGE CARRIER FOR BICYCLES.

(Application filed Aug. 12, 1897.)

(No Model.)



WITNESSES

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LUGGAGE-CARRIER FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 606,796, dated July 5, 1898.

Application filed August 12, 1897. Serial No. 648,080. (No model.)

To all whom it may concern:

Be it known that I, FRANK M. UFFORD, a citizen of the United States, residing at Norwich, in the county of New London and State of Connecticut, have invented certain new and useful Improvements in Luggage-Carriers for Bicycles, which improvements are fully set forth and described in the following specification, reference being had to the accompanying sheet of drawings.

The object of this invention is to provide a device of simple construction and neat appearance that may be readily attached to the handle-bars of a bicycle to serve as a receptacle in which mail-matter, small parcels, &c., may be conveniently carried.

My device is also of such construction that when not in use it may be readily folded into so small a compass that its presence upon the bicycle is not objectionable.

To assist in explaining my invention, I have provided the accompanying sheet of drawings, illustrating the same, as follows:

Figure 1 is a perspective view of my device, showing the same properly mounted upon the handle-bars of a bicycle. Fig. 2 illustrates in plan the manner of folding up my luggage-carrier; and Figs. 3 and 4 illustrate in plan and end elevation, respectively, certain steps in said operation of folding. Fig. 5 is a sectional view taken on line *xx* of Fig. 1.

The receptacle portion of my newly-invented device is of bag or net form, preferably crocheted, knitted, or of similar open-work construction, and referring to the drawings said net is denoted therein by reference-letter *a*. Net *a* is supported and held in shape by means of a rectangular framework, to which the open end of said net is secured and from which it depends. The longer sides of said rectangular framework consist of the parallel metallic strips *b* and *c*, and the shorter sides or ends of said rectangle are each composed of two sections, which are denoted by reference-letters *d* and *e*, respectively. Each end of bar *c* is provided with short right-angular extensions *c'*, and to each of said ends is pivotally secured at *f* one of the sections *d* forming a portion of the ends of the rectangular frame. Each end of bar *b* has pivotally secured thereto at *g* one of the

companion sections *e* of said frame ends. Sections *d* and *e*, forming the ends of the frame, are pivotally secured together at *h* midway the points *f* and *g*, already referred to. Sections *d* (pivotally secured at *f* to bar *c* and at *h* to sections *e*) extend beyond said pivotal points and overlap at each end the right-angular extension *c'* and the section *e*. That portion of each section *d* overlapping section *e* has formed thereon an upturned lip *d'*, so located as to engage the inner edge of said last-named section midway its length to limit the rocking of sections *d* and *e* upon each other when opening my device.

The end of each section *d* that overlaps the right-angular extension *c'* bears a downwardly-projecting pin *k*, which when sections *d* and *e* are in alinement enters a hole *m'* in a spring *m*, one of such springs being provided at each end of bar *c*, as shown in the drawings, from which it will be readily seen that the described construction forms a lock to prevent the accidental rocking of sections *d* at the points *f*, as well as to hold the complete frame open. When it is desired to release said sections to fold the frame, the free ends of springs *m* are pressed downward, as shown in dotted lines in Fig. 5, until pins *k* are released therefrom, when the sections *d* may be rocked on the pivots *f*.

Reference-letters *n* denote elastic bands or straps secured, as shown, to bar *c*, which straps are employed to retain my device in a tightly-folded position, as shown in Fig. 4. To support my luggage-carrier upon the handle-bars of a bicycle, clips *o* are secured to bar *c*, adapted to engage said handle-bars on opposite sides the steering-post of the bicycle. Bars *b*, *c*, *d*, and *e* are provided with perforations *p* in order that the net *a* may be readily secured thereto.

Assuming that a bicycle is fitted up with my newly-invented luggage-carrier and the same is in readiness for use, as shown in Fig. 1, when it is desired to discontinue the use thereof and to fold up the carrier the operation is as follows: The free ends of springs *m* are pressed downward until pins *k* are disengaged from the holes *m'*, thus permitting the rocking of sections *d* and *e* at the several pivotal points *f*, *g*, and *h*, as seen in Fig. 3,

and such rocking is continued until the rectangular frame is folded, as shown in Fig. 2. The net *a* is now rolled up beneath said frame and the elastic bands are stretched around
5 and caused to inclose both folded frame and net, as shown in Fig. 4, thus retaining the complete device in the small compass into which it has been folded. When it is desired to again use my device, the elastic bands *n*
10 are first withdrawn from the rolled-up net *a*, thus permitting the unrolling thereof, after which the sections *d* and *e* are forced outward and swung into alinement with each other, the movement of said sections being
15 limited by the lip *d'*, which when the proper point is reached engages the inner edge of section *e* midway its length, as explained. The free end of spring *m* is curved slightly downward, and when section *d* is rocked, as just described, to open the device the pin *k* rides on
20 said spring until it enters the hole *m'*, which occurs when sections *d* and *e* are in alinement,

thus serving to lock the complete rectangular frame against accidental folding.

My device as a whole is of very simple 25 construction, is not expensive to produce, and is not unsightly when upon a bicycle.

Having thus described my invention, I claim—

In a luggage-carrier, in combination, a frame, 30 and a net suspended therefrom, said frame being formed of side and end bars hinged together as set forth, each end bar being jointed midway its length to form two foldable sections, one of which sections is provided at one 35 end with a stop *d'* and at its other end with an extension bearing pin *k*, and perforated springs secured to one of the side frames and adapted to engage and lock the said extensions when the frame is opened.

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Witnesses:

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