

(No Model.)

H. S. JOSSELYN.

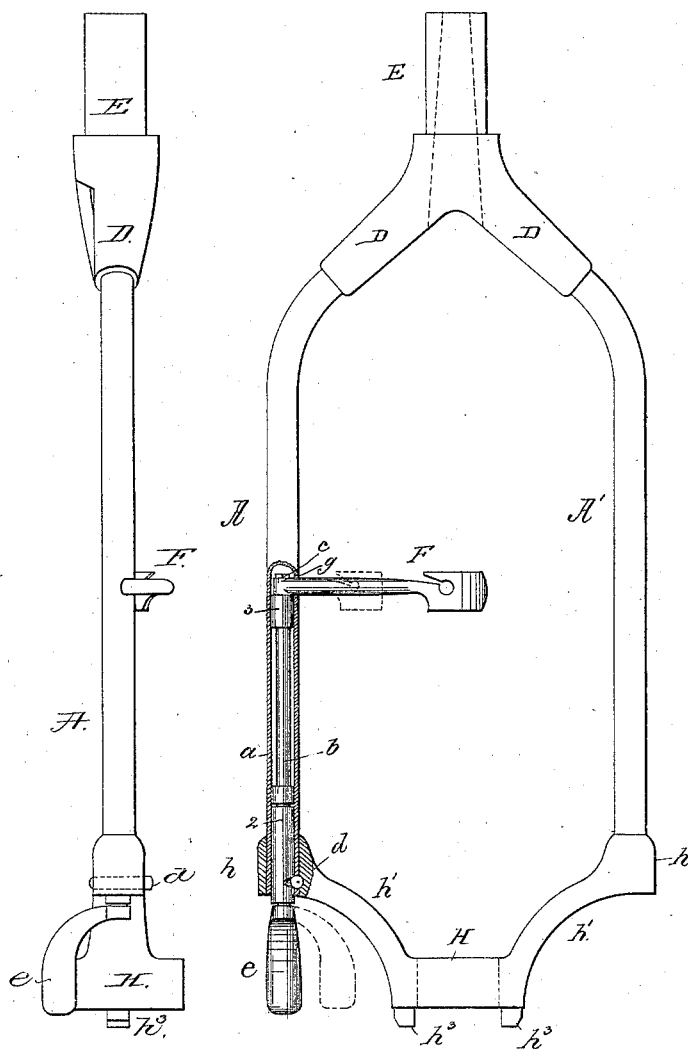
FLIER FOR SPEEDERS.

No. 306,337.

Patented Oct. 7, 1884.

Fig:2.

Fig:1.



Witnesses.

Arthur Lippert.
Henry Marsh.

Inventor.

Henry S. Josselyn.
by Crosby & Gregory attys

UNITED STATES PATENT OFFICE.

HENRY S. JOSSELYN, OF NEWTON, MASSACHUSETTS, ASSIGNOR TO JOHN
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FLIER FOR SPEEDERS.

SPECIFICATION forming part of Letters Patent No. 306,337, dated October 7, 1884.

Application filed March 29, 1884. (No model.)

To all whom it may concern:

Be it known that I, HENRY S. JOSSELYN, of Newton, county of Middlesex, State of Massachusetts, have invented an Improvement in Fliers for Speeders, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention relates to that class of fliers represented in United States Patent No. 227,015, granted to me April 27, 1880, to which reference may be had. In that patent the rod to which the presser is attached is extended outward through one of the legs of the flier where the latter is bent, thus doubly weakening the flier.

The object of my present invention is to obviate the passage of the said rod through the side of the leg, thus strengthening the flier. To do this, and yet secure all the advantages due to a weighted presser-carrying rod arranged within the leg of the flier, I have extended the arms of the lower neck upward and outward, thus placing the sockets at their outer ends in line with the legs at the broadest part of the flier so that the said legs are not bent, but are substantially straight, between the neck-sockets and the presser, and the presser-controlling weight is arranged directly underneath the said legs.

Figure 1 represents a flier embodying my improvement, part of one leg and neck being broken out, and Fig. 2 a left-hand side view thereof.

The nose E, upper neck D, and presser F are substantially as usual, and as in my said patent. The legs A A, made hollow and of steel, are substantially straight from the level of the presser downward, and their lower ends are made to enter sockets *h*, made at the ends of the arms *h'*, connected with the lower neck, H, provided with usual lugs or dogs, *h*², the curves of the arms *h'* being sufficient to enable the presser-controlling weight *e* to be

placed immediately below the said neck, as in the drawings. The said weight is attached to the lower end of a rod, *b*, having collars or bearings 2 3 fast upon it, and extended upward within the hollow leg A, the upper end of the said rod opposite the side hole therein being squared, as at *c*, and receiving upon it the socketed end of the presser-shank F, the said squared end being pushed up through the hole made in the inner end of the presser after the end of the same has been passed through the opening *g* made in the side of the leg. The rod *b*, it will be noticed, is held up in the flier-leg by the pin *d*, inserted through a hole in the socket *h* and entering a groove of the rod, as shown in Fig. 1. The rod is passed not only into the flier-leg, but also through the socket of the neck H, and the leg is not bent below the flier, nor is it cut away and weakened by a lateral hole.

I claim—

1. A speeder-flier composed, essentially, of a neck, D, a neck, H, having extended curved arms provided with leg-receiving sockets, legs to connect the said necks and enter the sockets thereof, a presser, a presser-carrying rod, and weight attached thereto, the said rod being located within one of the said legs and carried through one of the sockets of the arm-holding neck, all substantially as described.

2. The hollow leg of the flier, the neck having the socket *h*, in which the said leg is entered, combined with the presser, the weight *e*, and the rod *b*, provided with collars and passed through the said socket into the flier-leg, substantially as shown and described.

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

HENRY S. JOSSELYN.

Witnesses:

G. W. GREGORY,
B. J. NOYES.