No. 840,365. PATENTED JAN. 1, 1907.

H. W. PEASE.

LADDER.

APPLICATION FILED FEB. 18, 1904.

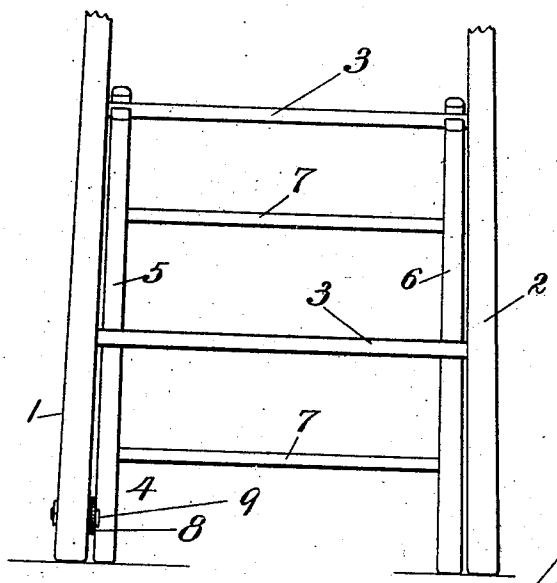


Fig. 2

Fig. 1

Fig. 3

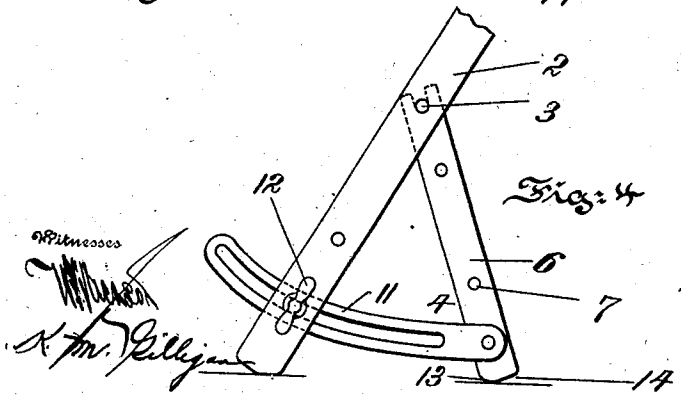


Fig. 4

Witnesses

Inventor

Henry W. Pease.

By

Augustus B. Stoughton

Attorney

THE NORRIS PETERS CO., WASHINGTON, D. C

UNITED STATES PATENT OFFICE.

HENRY W. PEASE, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO J. IRWIN DOAN, OF PHILADELPHIA, PENNSYLVANIA.

LADDER.

No. 840,365. Specification of Letters Patent. Patented Jan. 1, 1907.

Application filed February 18, 1904. Serial No. 194,156.

To all whom it may concern:

Be it known that I, HENRY W. PEASE, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Ladders, of which the following is a specification.

The principal object of the present invention is to provide a simple, efficient, and comparatively inexpensive device which may be detachably applied to any ladder and which will prevent its base from accidentally slipping.

To these and other ends hereinafter set forth the invention comprises the improvements to be presently described and finally claimed.

The nature, characteristic features, and scope of my invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, and in which—

Figure 1 is an elevational view illustrating the detachable foot in application to a ladder. Fig. 2 is a front view, drawn to an enlarged scale, of the lower portion of the ladder shown in Fig. 1. Fig. 3 is a view in section, illustrating a modification of the detachable foot; and Fig. 4 is a side view illustrating another modification.

In the drawings, 1 and 2 represent the sides of a ladder, and 3 the rounds thereof.

4 is a foot detachably connected with the ladder, and it consists of side pieces 5 and 6 and cross-pieces 7 and of adjustable tie-pieces or links which connect its base with the base of the ladder. The foot is detachably connected with one of the rounds 3 by providing its side pieces with notches for the reception thereof. As shown in Fig. 1 the notches are cut in the ends of the side pieces 5 and 6, and as shown in Fig. 3 they are of the form of hooks having lateral openings, and these hooks may be formed in or connected with the side pieces. The tie-pieces may be variously arranged and made adjustable. As shown in Fig. 1 the tie-piece 8 consists of a straight notched bar, the notches being arranged to engage a stud 9 on the side of the ladder. As shown in Fig. 3 the tie-piece 9^a is provided with a series of holes, any one of which may be engaged by the bolt 10. As shown in Fig. 4 the tie-piece 11 is curved and slotted for the accommodation of the set-screw 12, carried by the side of the ladder.

Many other modifications of the tie will suggest themselves to those skilled in the art.

The ends of the sides 5 and 6 may be beveled, as shown at 13 and 14, in opposite directions to secure a good bearing-surface. If desired, the tie-bars shown in Fig. 1 may be hooked onto the lowest round 3 of the ladder, in which case the part 9 could be dispensed with. The described foot attachment may be obviously applied to ladders of almost any commercial width, as it is not essential that the attachment should be as wide as the ladder, and, in fact, it may be considerably narrower. Moreover, the attachment is simple in construction and comparatively cheap, while at the same time efficient in preventing accidental slipping of ladders, and compact and capable of easy transportation and rapid application and detachment.

It will be obvious to those skilled in the art to which my invention appertains that modifications may be made in detail without departing from the spirit thereof. Hence I do not limit myself to the precise construction and arrangement of parts hereinabove set forth, and illustrated in the accompanying drawings; but,

Having thus described the nature and objects of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. An attachment for ladders comprising a foot adapted to rest at its lower end on the ground and provided at its upper end with hooks having notches for detachably engaging a ladder-round and at the lower end with a tie-piece for detachably engaging the ladder near its base, substantially as described.

2. An attachment for ladders comprising a foot adapted to rest at its lower end on the ground and provided at its upper end with notches for detachably engaging a ladder-round and at the lower end with means for adjustably connecting it with a ladder-base, substantially as described.

In testimony whereof I have hereunto signed my name.

HENRY W. PEASE.

Witnesses:

GEO. W. BRYANT,

J. IRWIN DOAN.