

(No Model.)

W. H. HAYDEN, Jr.

TRACE CARRIER.

No. 368,583.

Patented Aug. 23, 1887.

Fig. 1.

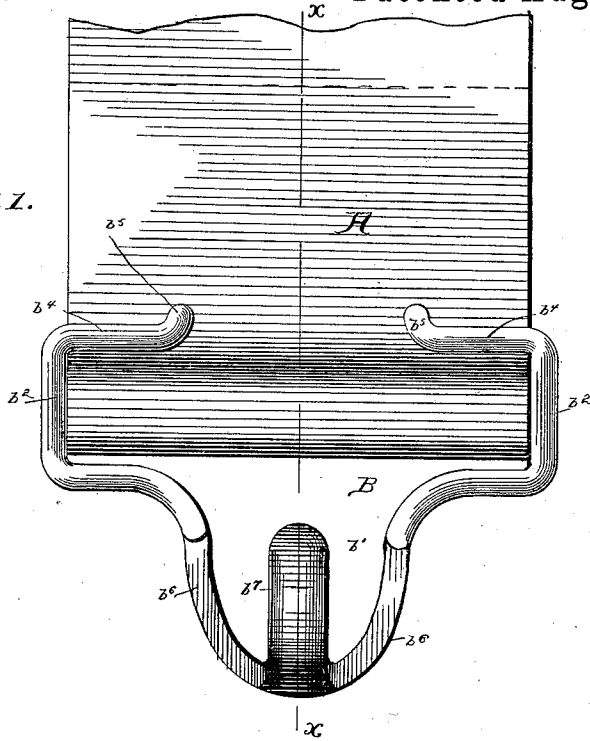


Fig. 2.

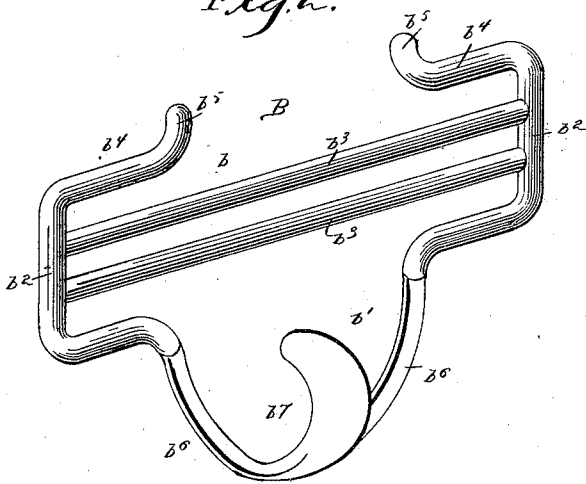
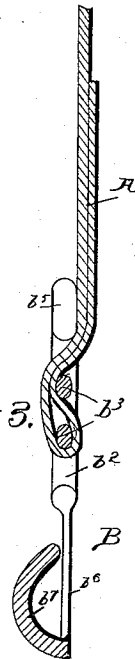


Fig. 3.



Witnesses

Henry S. Dieterich

C. S. Hagen

Inventor

W. H. Hayden Jr

By his Attorneys,

C. M. Snowdon

UNITED STATES PATENT OFFICE.

WILLIAM H. HAYDEN, JR., OF COLUMBUS, OHIO.

TRACE-CARRIER.

SPECIFICATION forming part of Letters Patent No. 368,583, dated August 23, 1887.

Application filed May 3, 1887. Serial No. 236,973. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. HAYDEN, Jr., a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a new and useful Improvement in Trace-Carriers, of which the following is a specification.

My invention relates to a trace-carrier; and it consists in the construction and arrangement of the parts of the same, which will be more fully hereinafter described, and pointed out in the claims.

The object of my invention is to provide a trace-carrier which is simple and effective in its construction and operation, strong and durable, readily understood, easily handled, adjustable and convenient, positive in its result, and cheaply manufactured. I attain this object by the device illustrated in the accompanying drawings, wherein like letters of reference indicate similar parts in the several views, and in which—

Figure 1 is a front elevation of my improved trace-carrier attached to a portion of a back-band. Fig. 2 is a perspective view of my improved trace-carrier. Fig. 3 is a transverse vertical section on the line *xx* of Fig. 1.

A indicates a portion of a back-band with my improved trace-carrier B shown in connection therewith.

The carrier B consists, essentially, of an upper or band-attaching portion, *b*, and a lower hook-supporting loop, *b'*. The portion *b* is constructed of rectangular configuration, having two side bars, *b²*, having two central cross-bars, *b³ b³*, integrally formed therewith. The upper position of each of the side bars, *b²*, merge into or are formed with two short bars, *b⁴*, running at right angles thereto and parallel with the central cross-bars, *b³*. These bars *b⁴* are extended inward for a short space or distance, and are formed with turned-up ends *b⁵* at their inner portions. By this construction an opening is formed between the two ends *b⁵*, for a purpose which will be more fully hereinafter set forth. From the lower portions of the side bars, *b²*, short right-angled arms *b⁶* extend inwardly toward each other. These arms *b⁶* are also formed integrally with the side bars, *b²*, and have the two arms of a depending loop, *b'*, formed integral

therewith, which is formed in turn with a hook, *b'¹*, projecting upwardly some distance above the lower curve of the loop *b'*, and is turned inwardly into the open space between the arms of the said loop. This hook *b'¹*, as will be readily understood, is engaged by the link or loop of a trace-chain or tug, and by the inward curve thereof the said trace-chain or tug is securely fastened and a projection of any part thereof prevented.

As shown in Fig. 3, the end of the back-band A is passed under the two short arms *b⁴*, then over the upper cross-bar, *b³*, and out between said lower cross-bar and the short arms or bars *b⁶*, and is then brought up over the face of the carrier and inserted in the opening between the ends *b⁵*, which is accomplished by slightly twisting the end of the band A, and said end of the band is then brought in contact with the main portion of the band, and retained therewith by the short bars or arms *b⁴*. By this manner of attaching the carrier to the band a permanent securement is obtained, and which is adjustable by releasing the end of the band from engagement with the arms *b⁴*, and drawing the carrier B upwardly or downwardly, as may be desired, on the band A.

The parts of the carrier are constructed integral and at one operation, and the novelty, utility, and adaptability are obvious, and need not be enlarged upon herein.

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

1. As an improved article of manufacture, the trace-carrier herein described, consisting of an upper or band-attaching portion having a series of straight cross-bars and a series of upper short bars with turned-up ends, with an opening between said opposing ends, and a lower depending-hook portion, substantially as described.

2. In combination with a trace-carrier having a series of upper short bars having an opening between their opposing ends, the series of straight cross-bars *b³* and the back-band, substantially as described.

3. The trace-carrier herein described, having the side bars, *b²*, and the series of straight cross-bars *b³*, devoid of any teeth or tongues, combined with the back-band doubled upon it—

self and looped through the trace-carrier between and over the cross-bars, substantially as shown and described, whereby the back-band is held to the trace-carrier without providing any teeth or tongues on the cross-bars or any portion of the trace-carrier frame and the hook portion of the trace-carrier, substantially as set forth.

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

WILLIAM H. HAYDEN, JR.

Witnesses:

MICHAEL O'NEILL, Jr.,
TALFOURD P. LINN.