

No. 887,532.

PATENTED MAY 12, 1908.

H. B. SHERMAN.

NAILING STRIP.

APPLICATION FILED FEB. 10, 1906.

Fig. 1.

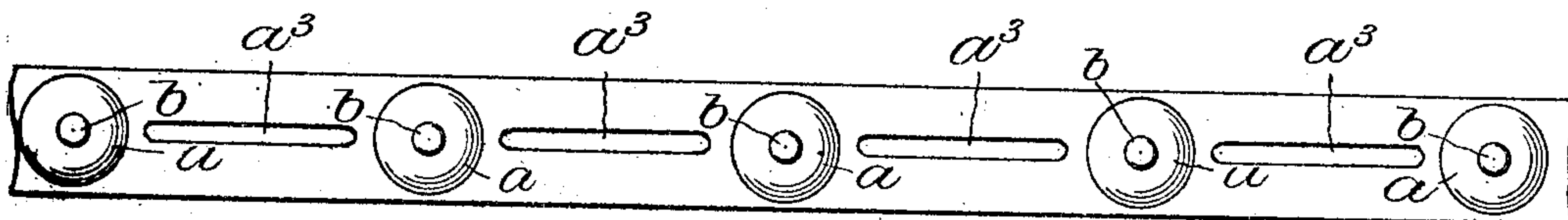


Fig. 2.

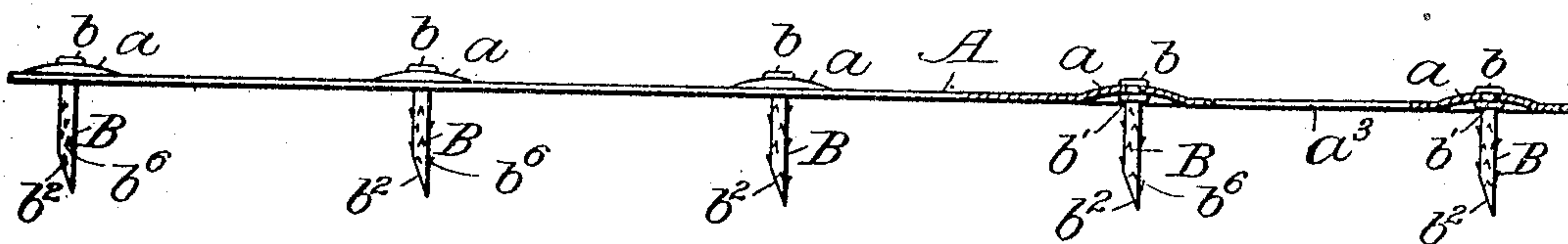


Fig. 3.

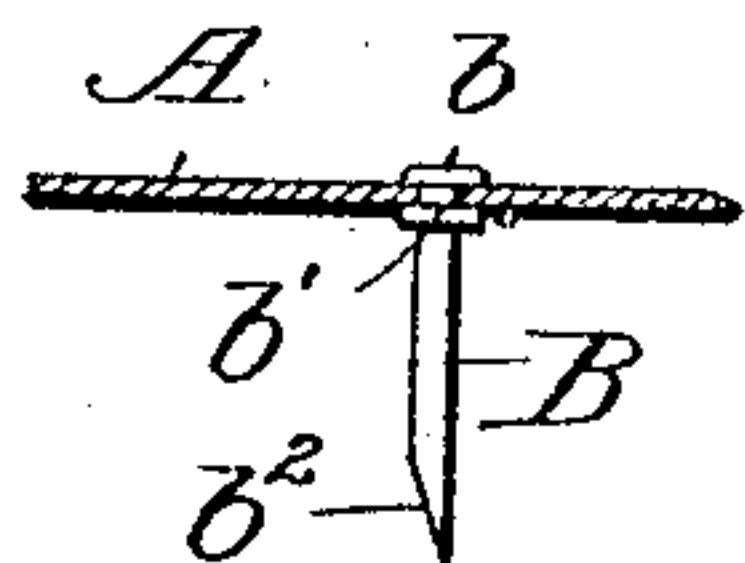


Fig. 4.

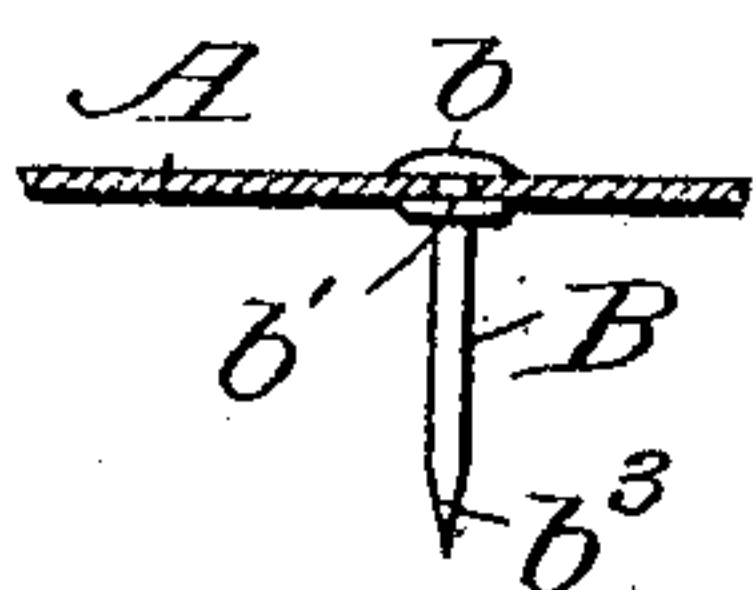


Fig. 5.

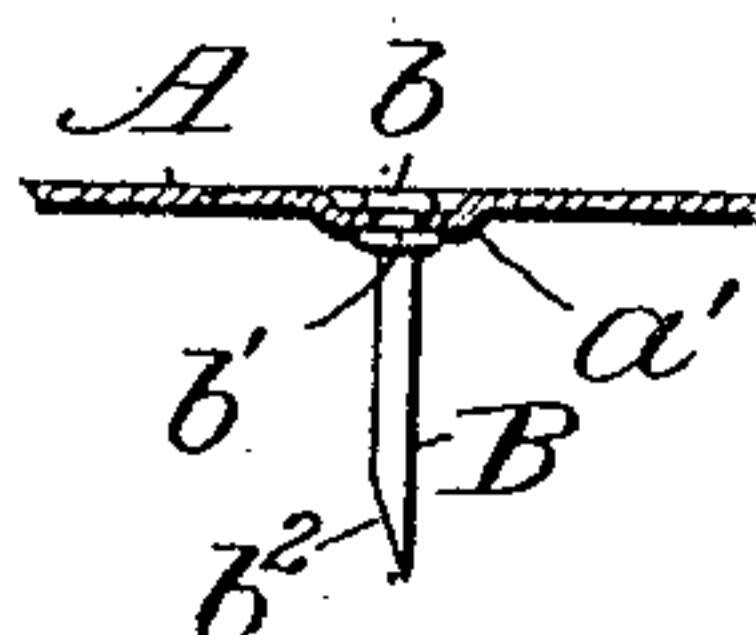


Fig. 6.

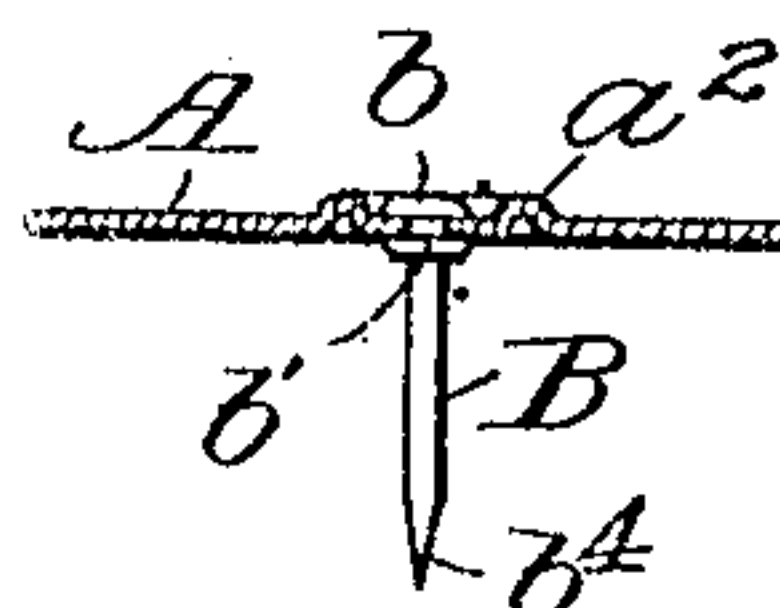
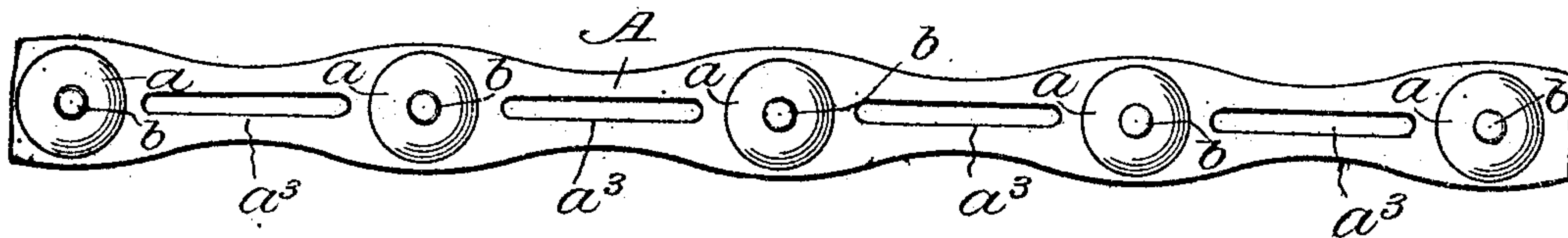


Fig. 7.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

HOWARD B. SHERMAN, OF BATTLE CREEK, MICHIGAN.

## NAILING-STRIP.

No. 887,532.

Specification of Letters Patent.

Patented May 12, 1908.

Application filed February 10, 1906. Serial No. 300,474.

*To all whom it may concern:*

Be it known that I, HOWARD B. SHERMAN, of Battle Creek, in the county of Calhoun and State of Michigan, have invented certain new and useful Improvements in Nailing-Strips; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form part of this specification.

This invention is a novel nailing strap, particularly adapted for use in securing roofing felt in position, or for strapping boxes and for other purposes where it may be desired to nail a metal strap or band to an object.

The present invention in its preferred form comprises a metallic strip, which may be of hoop metal, to which are attached a plurality of nails, preferably formed from wire and riveted at their upper ends to the strip, at desired intervals apart and pointed at their lower ends so that they can be readily driven into place with an ordinary hammer.

The invention will be clearly understood from the following description and the accompanying illustrations.

In the drawings—Figure 1 is a perspective view of the nail strap. Fig. 2 is a side view thereof, partly in section. Figs. 3, 4, 5 and 6 are detail sectional views showing slight modifications of the strap. Fig. 7 is a detail plan view of modification.

The strap portion A of the article may be, and preferably is, formed out of ordinary hoop metal which can be procured in long strips or rolls, and to this strap are attached at intervals nail points or shanks B, which are preferably formed out of wire, and have their upper ends secured to the strap, the shanks being spaced at regular intervals apart preferably and of any suitable length. For example, if the strap is, say one-half inch wide, the nails might be one-half inch in length. Preferably the shank heads are forced through the strap and secured by riveting them thereto as indicated in Fig. 2; the upper end of the shank is riveted on top of the strap as at  $b$ , and the shank is also shouldered under the strap as at  $b'$  so as to form a very secure connection between the shank and strap. The shanks should be also pointed in any suitable manner, preferably I use the bevel point as shown at  $b^2$ .

In order to insure a firm hold of the nails I propose to barb or roughen them as indi-

cated at  $b^3$  in Fig 2; this form is particularly useful for box strapping. The strap may have straight parallel sides as in Fig. 1, or the sides may be undulated as indicated in Fig. 7. In order to lighten the strap and to facilitate coiling thereof in more compact form, the strap may be slotted as at  $a^3$ , intermediate the nails, the slots extending between the projections  $a$ ,  $a$ , longitudinally of the strap and in line with the nails, so that when the strap is coiled the nails on outlying coils of the strap can enter the slots in the inner coils and thus enable the strap to be coiled more compactly than it otherwise could do, and at same time the nails entering the slots will keep the coils alined.

When used for a roofing strap, the strap would be preferably formed with concavo-convex projections  $a$  around the head of the nail-shanks, to shed water away therefrom and insure a closer bite of the strap thereagainst. Fig. 3 shows the strap flat. Fig. 4 shows the head of the nail-shanks slightly rounded so that it would be less liable to catch on objects when used as box strapping; Fig. 5 shows the strap provided with depressions  $a'$  to protect the nail head; Fig. 6 shows it provided with an annular projecting rib  $a^2$  around the nail-head. Fig. 4 shows a double beveled nail point  $b^3$ . The forms shown in Figs. 2 and 3 would be preferable for roofing purposes. That shown in Figs. 4, 5 and 6 would be preferable for box strapping. Fig. 6 shows another form of point at  $b^4$ .

The nail straps may be made any length desired according to the object for which they are to be used. If they are made very long they can be coiled up for convenience in transportation. For box corner straps and other purposes they can be cut in any length desired. Obviously the strap may be of any width and thickness desired and the shanks proportionately large in diameter and of any desired length. It is obvious also that the strap may, if desired, be made ornamental and given any desired outline in plan or cross section.

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

1. The herein described nailing-strap consisting of a long metallic band and numerous barbed and beveled-pointed wire nail shanks secured to the band at suitable intervals apart throughout its length by having their



heads swaged against the band above and below the same whereby the shanks are rigidly secured to the band.

2. As a new article of manufacture, a nail-  
 5 ing strip comprising a metallic band or strap having concavo-convex portions at intervals, and a series of nails projecting from the band and having their heads riveted to such concavo-convex portions.
- 10 3. As a new article of manufacture, a nail-  
 ing strip comprising a metallic band or strap having concavo-convex portions stamped

therein at intervals and a series of wire nails projecting from the band and having their heads riveted to such concavo-convex por- 15  
 tions and their points beveled.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

HOWARD B. SHERMAN.

In presence of—

FRANK M. ANDRESS,  
 CHARLES R. SYLVESTER.