

W. P. Thompson,

Cheese Hoop.

No. 10,184.

Patented Mar. 22, 1870.

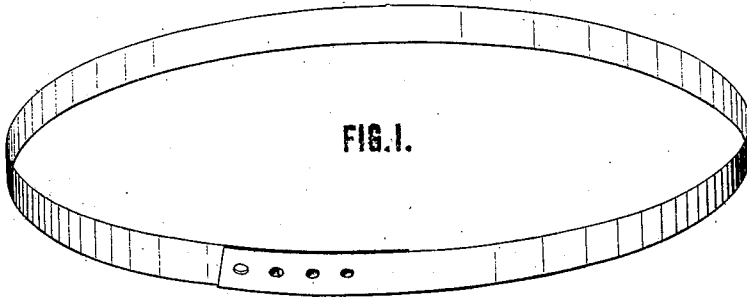


FIG. 2.

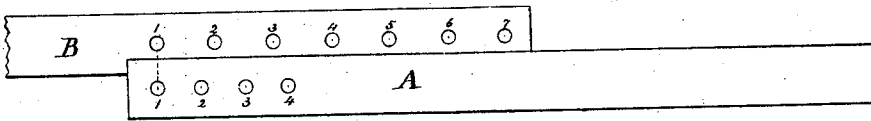


FIG. 3.

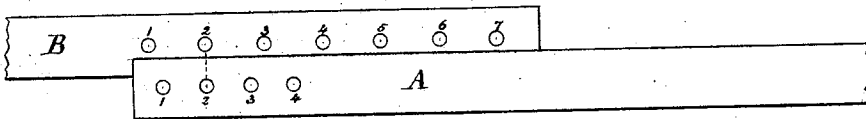
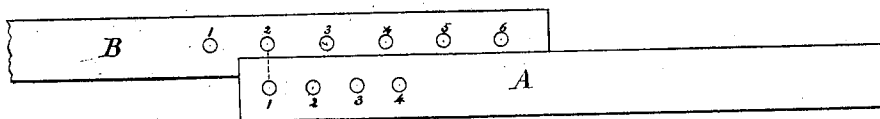


FIG. 4.



William P. Thompson
by his attorney

Holler

WITNESSES.

M. Bailey
J. H. White

United States Patent Office.

WILLIAM P. THOMSON, OF WATERTOWN, NEW YORK.

Letters Patent No. 101,184, dated March 22, 1870

IMPROVEMENT IN ADJUSTABLE CHEESE-HOOP.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, WILLIAM P. THOMSON, of the city of Watertown, in the county of Jefferson, in the State of New York, have invented a new and improved Mode of Making the Metallic or other Hoops used on Paper Cheese-Boxes, rendering them perfectly adjustable to any size; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters and figures of reference marked thereon making a part of this specification.

The nature of my invention consists in making a series of holes in each end of the hoop, with the spaces between the holes in one end varying from those in the other by a small difference, so that, by putting a rivet through different pairs of holes successively, a difference in the size of the hoop is obtained equal to the difference between the spaces in the two ends.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I make my hoop of ordinary hoop-iron or other material, and punch, for example, four holes in one end that are three-eighths of an inch apart from center to center, as is shown in the accompanying drawings at A, marked 1, 2, 3, and 4. Then, in the other end of the hoop, I make a number of holes one-half of an inch apart from center to center, as shown at B, and marked 1, 2, 3, 4, 5, &c.

Now, if the rivet be put through A¹ and B¹, (see Figure 2,) the hoop will be at its smallest size. (The same will be seen in the perspective drawing, Figure 1.) But if through A² and B², it will be enlarged one-eighth of an inch in circumference—equal to the dif-

ference between the spaces in the two ends, (see Figure 3.) And if through A³ and B³, it will be enlarged two-eighths of an inch. If at A⁴ and B⁴, three-eighths of an inch. And now, if the hoop be enlarged to four-eighths, it will be found that A¹ will correspond with B², (see Figure 4,) and thus the extension can be continued, A¹ succeeding A⁴ in a continuous round.

It is a well-known fact that cheese will swell or enlarge in diameter after being taken from the press, and that they do not all enlarge to the same extent—some more, some less—hardly any two being alike; also, that it is very necessary that paper boxes should fit the cheese of any size very close; or they are useless.

This invention renders the hoop adjustable to any size of cheese, thereby making the boxes to fit tight, and saving in time, labor, and expense, and making the packages in better condition for transportation, and enhancing the value of paper boxes under the patent No. 90,107.

I do not claim, broadly, an expansive cheese-hoop; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

A metallic or other hoop, for boxing cheese and other purposes, provided with two or more sets or series of holes, substantially in the manner herein described, so as to make said hoop adjustable in size, for the purpose set forth.

W. M. P. THOMSON.

Witnesses:

FRANK A. HINDS,
ITHAI L. THOMSON.