

R. HORTON.  
Dental-Bib.

No. 162,170

Patented April 20, 1875.

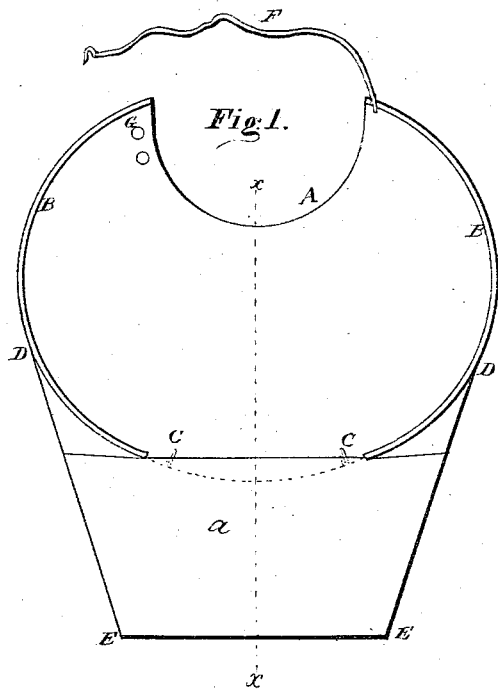


Fig. 2.

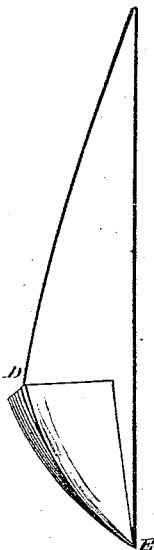
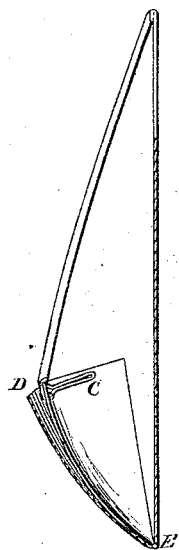


Fig. 3.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

ROLLIN HORTON, OF CLEVELAND, OHIO.

## IMPROVEMENT IN DENTAL BIBS.

Specification forming part of Letters Patent No. **162,170**, dated April 20, 1875; application filed March 25, 1875.

*To all whom it may concern:*

Be it known that I, **ROLLIN HORTON, D. D. S.**, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and Improved Dental Bib; and I do hereby declare that the following is a full, clear, and complete description thereof, reference being had to the accompanying drawings, making a part of the same.

Figure 1 is a front view of the dental bib. Fig. 2 is a side view. Fig. 3 is a vertical section in direction of the line *x x*, Fig. 1.

Like letters of reference refer to like parts in the several views.

The nature of this invention relates to a dental bib, which is hung or suspended from the neck, so that the upper portion will be under the chin, while the lower portion of the bib forms a pouch or bag to receive the saliva, &c., as it comes from the mouth during dental operations. A wire or spring is connected with the edge of the bib, to keep the pouch open to receive the fluid.

The following will more fully describe the construction, purpose, and advantages of said invention:

The upper portion of the bib is cut or hollowed out, as seen at *A*, Fig. 1, so as to fit closely around the neck, extending under the chin. The edges of the bib are rounded out in the form of a circle, or otherwise, so as to extend toward the shoulders, and kept firmly in that position by a wire, *B*, Fig. 1, secured in the edges of the thin india-rubber, or its equivalent, of which the bib is composed. *C* and *C*, Fig. 1, represent studs or projections extending from the wire, serving to keep the pouch or bag *a* open; or there may be sufficient spring or form given to the wire to extend the bag or pouch without their aid. The pouch or bag is formed at the bottom of the bib, extending from *D* to *E*. It will be observed that the sides of the bib at *D D* are curved or project outward a little, as seen in Figs. 2 and 3, the object of which is to cause the saliva to be gathered or concentrated in the pouch. *F* represents a cord or strap, one end of which is secured to the upper extremity of the bib, as seen in Fig. 1. The other end is provided with a hook or its equivalent, so as to be attached to the opposite extremity, at

*G*, in holes placed for the purpose of fastening the bib around the neck.

The practical operation and advantages of the aforesaid bib are as follows:

It is well known that in the operation of filling teeth the flow of saliva from the glands is naturally increased, so that the work of plugging is seriously interfered with. To avoid this it is commonly the custom to fill the mouth with soft napkins, for the purpose of absorbing the moisture. These, as they become saturated, are removed and fresh ones substituted. This is not only attended with considerable trouble, giving unnecessary inconvenience to the patient, but greatly retards the work of the dentist by filling the mouth with obstructions.

By the use of this dental bib is, in a great measure, avoided the necessity of filling the mouth with napkins or placing one under the chin, the saliva naturally flowing out of the mouth and being caught in the pouch or bag below, which, from its peculiar flaring construction, is readily done. In the extraction of teeth its service is essentially valuable, on account not only of the pouch or bag, which catches the blood accompanying such operations, but by its broad surface *b*, Fig. 1, and extending sides reaching to the shoulders and over the entire chest, completely protecting the clothing from all spatters, and concentrating all blood, &c., from the mouth in the pouch, and it, being made of india-rubber or its equivalent, is entirely impervious to the fluids it contains, and can be easily and thoroughly cleaned.

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

A dental bib consisting of the pouch *a*, with the upper portion thereof formed to extend over the chest and under the chin, and made of gum-elastic or its equivalent material, and having a wire or spring, *B*, secured to the edges thereof, and provided with suitable means for fastening it under the chin, substantially as and for the purpose herein described.

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Witnesses:

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