

H. FEYH.

FEED-DOG FOR SEWING-MACHINE.

No. 189,716.

Patented April 17, 1877.

Fig. 1.

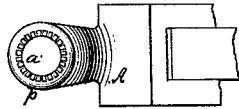


Fig. 2.



Witnesses.

Otto Hufeland
Robert E. Miller

Inventor.

Henry Feyh
by
Van Lentwood & Hauff
his attorney.

UNITED STATES PATENT OFFICE.

HENRY FEYH, OF NEW YORK, N. Y., ASSIGNOR TO SETH W. JOHNSON, OF
SAME PLACE.

IMPROVEMENT IN FEED-DOGS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **189,716**, dated April 17, 1877; application filed
February 7, 1877.

To all whom it may concern:

Be it known that I, HENRY FEYH, of the city, county, and State of New York, have invented a new and useful Improvement in Feed-Dogs for Sewing-Machines, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a plan or top view of a circular feed-dog constructed according to my invention. Fig. 2 is a longitudinal section of the same.

Similar letters indicate corresponding parts.

My invention consists in a circular or annular feed-dog for sewing-machines, having a circularly-arranged series of teeth, and constructed with a circumferential smooth flange or rim, as will be more fully hereinafter described, the object being to prevent the curling of the under thread, which is accomplished by the circumferential flange preventing the thread from catching in the teeth of the feed-dog.

In double-thread sewing-machines, the lower thread, particularly if it is hard twisted, is liable to twist and to curl up, and as it comes in contact in this state with the edge of the feed-dog it catches in the teeth of the same, and the operation of the machine is disturbed. This occurs very frequently in sewing-ma-

chines with a universal feed, since in sewing round various curves the tendency of the lower thread to twist and curl up is increased, and in the example represented in Figs. 1 and 2 of the drawing, I have shown a feed-dog, A, such as used in universal-feed sewing-machines. This feed-dog is circular, and provided with teeth *a*, which may be made to extend clear round in an unbroken circle, or which may be made to occupy only sections of a circle. Outside of these teeth is a smooth rim, *p*, so that if the lower thread curls up and bears against any portion of the edge of the feed-dog, it is not liable to catch in the teeth of the same.

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

The circular feed-dog A, having the circularly-arranged teeth *a*, and constructed with the circumferential smooth flange *p* outside of the teeth, as and for the purpose described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 31st day of January, 1877.

HENRY FEYH. [L. S.]

Witnesses:

W. HAUFF,
E. F. KASTENHUBER.