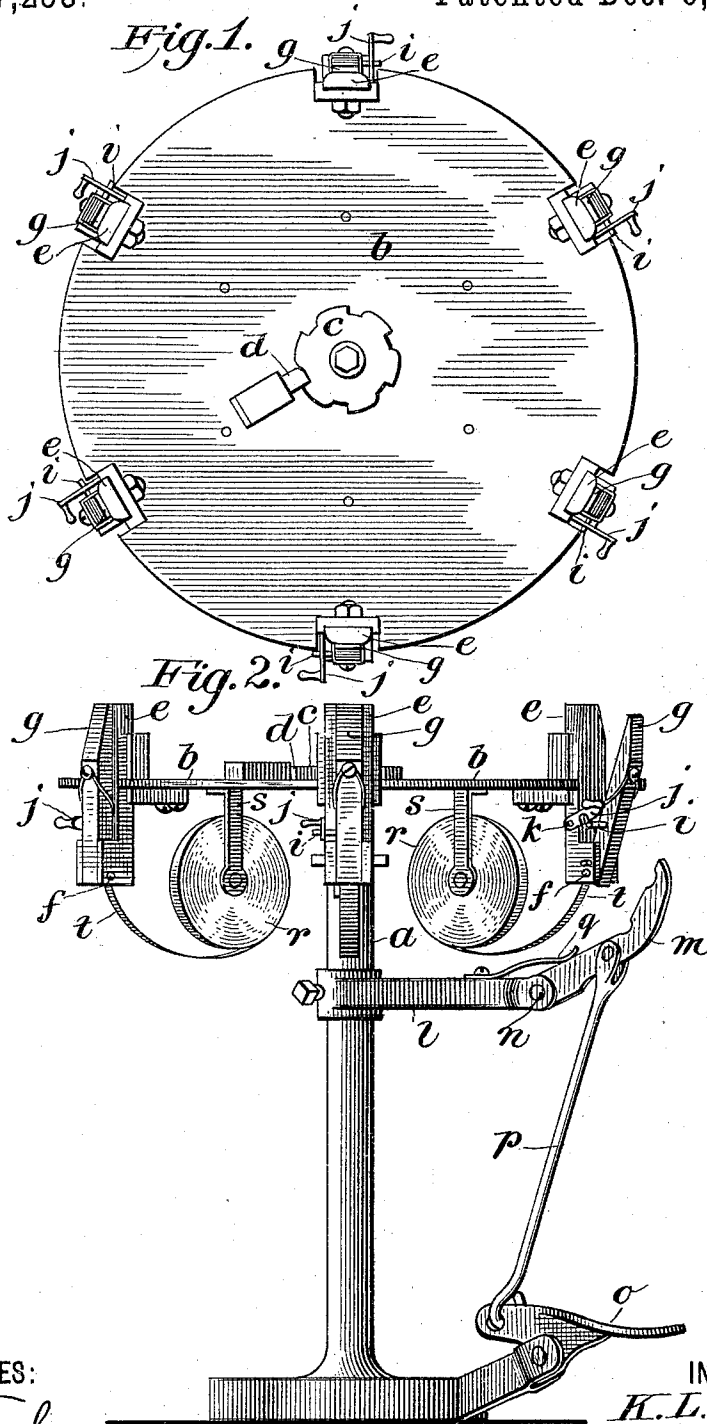


K. L. COMES.

MACHINE FOR JOINING THE MEETING ENDS OF HAT SWEATS.

No. 487,253.

Patented Dec. 6, 1892.



WITNESSES:

*J. H. Kinch.*  
*E. L. Smith*

INVENTOR

*H. L. Comes*

BY

*T. O. Smith Jr.*

ATTORNEY

(No Model.)

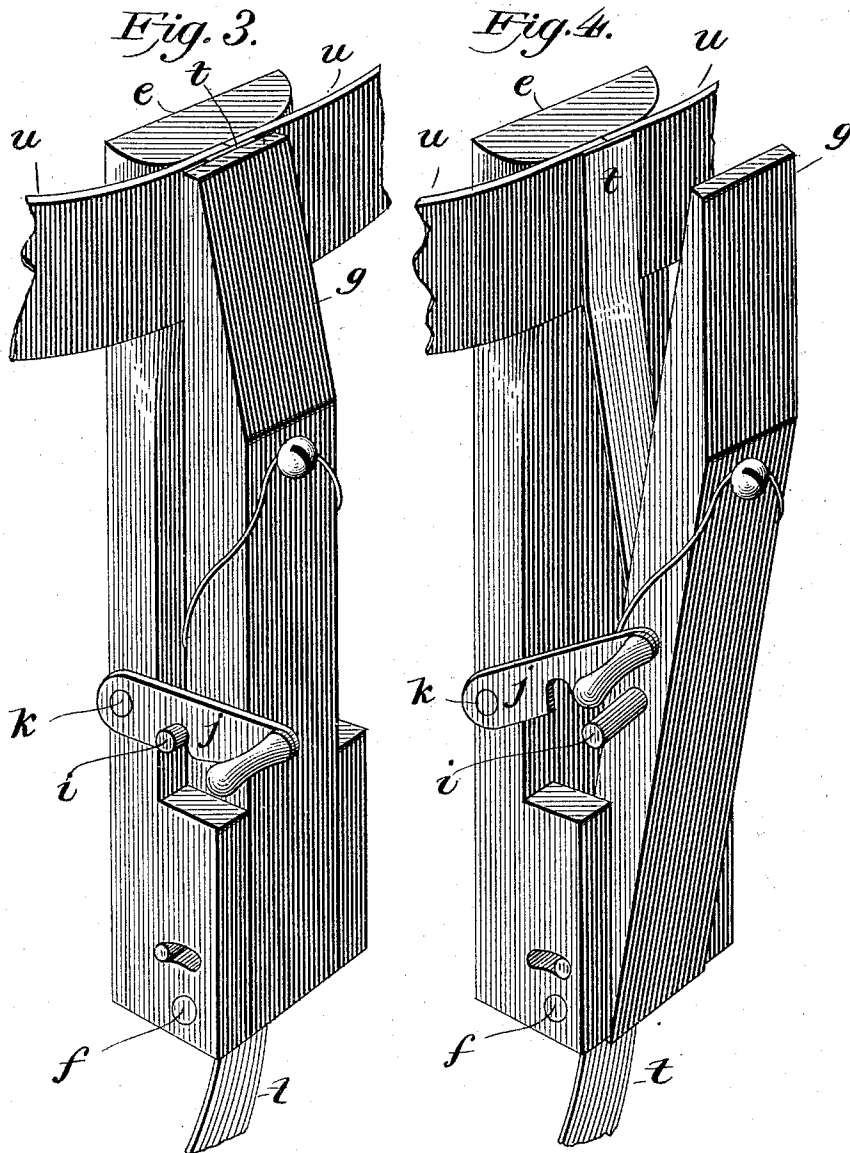
2 Sheets—Sheet 2.

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# UNITED STATES PATENT OFFICE.

KEROS L. COMES, OF DANBURY, CONNECTICUT, ASSIGNOR TO MEEKER BROS., OF SAME PLACE.

## MACHINE FOR JOINING THE MEETING ENDS OF HAT-SWEATS.

SPECIFICATION forming part of Letters Patent No. 487,253, dated December 6, 1892.

Application filed March 1, 1892. Serial No. 423,389. (No model.)

*To all whom it may concern:*

Be it known that I, KEROS L. COMES, a citizen of the United States, residing at Danbury, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Machines for Joining the Meeting Ends of Sweat-Bands for Hats; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has reference to a new and useful improvement in machines for joining together the meeting ends of sweat-bands which have been previously cut to the proper size with respect to the hats, and has for its object to effect this result rapidly and uniformly.

In the accompanying drawings, Figure 1 is a plan of a machine embodying my improvement; Fig. 2, an elevation thereof; and Figs. 3 and 4 are detail perspectives showing, respectively, the clamping-jaws closed and open, with sweat-band and pasting-strip in proper relative position.

Similar letters denote like parts in the several figures of the drawings.

*a* is a standard, and *b* a platform supported on the upper end thereof and free to revolve.

*c* is a ratchet rigid with the top of the standard, and *d* a resilient pawl carried by the platform and engaging with said ratchet, the object of this pawl and ratchet being to lock the platform at predetermined times during its revolution.

Secured at regular intervals in the edge of the platform are stationary jaws *e*, to which are pivoted at *f* movable jaws *g*.

*i* is a stud projecting from the movable jaws, and *j* a latch pivoted at *k* to the stationary jaws and adapted to co-operate with the stud to lock the movable jaws in closed position, as will be clearly understood by reference to Figs. 3 and 4.

*l* is a bracket secured to the standard *a* and extending therefrom, and *m* a lever pivoted at *n* to the end of said bracket.

*o* is a treadle pivoted to the base of the standard, and *p* a pitman whose respective ends are pivoted to said treadle and lever, so

that when the treadle is depressed the lever will be thrown upward.

*g* is a spring secured to the bracket and bearing against the lever to assist in retaining the latter in normal position.

*r* are rolls of the material which is used for joining the ends of the sweat-bands. This material may be cloth, paper, or anything suitable for the purpose, and it is gummed on one side. The rolls *r* are supported in hangers *s*, which depend from the bottom of the platform, and the gummed strip *t* is initially inserted between the jaws from the bottom thereof.

The operation of my improvement is as follows: A sweat-band *u* is placed within a pair of jaws with the ends butted together and the gummed strip is then applied across said ends, as shown in Fig. 4. The treadle is now operated, whereby the lever *m* is caused to strike the movable jaw and close it firmly against the strip and band, the latch *j* automatically engaging the stud *i* to hold the jaw closed, as seen at Fig. 3. The platform is now turned until the pawl engages with a succeeding tooth of the ratchet, when a succeeding pair of jaws will have been brought into the proper position relative to the lever *m*, and a sweat-band is introduced and the gummed strip clamped thereto, as above set forth. The operator preferably moistens the strip with a sponge before applying it to the sweat-band. As the bands thus clamped are returned to the operator, he removes them successively from the jaws, tears or shears off the gummed strip, and clamps fresh bands between said jaws.

My improvement is a very useful and economical contrivance and greatly facilitates the operation of joining the ends of the bands.

Of course the number of clamping devices is immaterial, and the pawl-and-ratchet and the treadle-operated devices may be dispensed with, although I prefer to use them, as they contribute to the rapidity and accuracy with which the meeting edges of the bands are joined.

I claim—

1. A device for joining the meeting edges of hat sweat-bands by a gummed strip, the same comprising a rotary platform, a series

of clamping-jaws secured at intervals in the edge of said platform and normally distended, whereby the sweat-band and gummed strip in proper relative position may be introduced  
5 between said jaws, means for operating said jaws, and means for locking the latter in closed position, substantially as set forth.

2. The combination of the rotary platform, the normally - distended clamping - jaws secured at intervals in the edge of said platform, the pivoted lever, the treadle, and operative connections between said lever and treadle, substantially as set forth.  
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3. In a device of the character set forth, the combination of a rotary platform, a series of clamping-jaws secured to the edge of  
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said platform, a lever whereby said jaws are effectively operated, means for operating said lever, and means, as a pawl, carried by said platform and co-operating with a stationary ratchet for arresting the rotation of the platform at predetermined times, whereby the jaws are positively brought into proper position relative to said lever, substantially as and for the purposes described.  
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In testimony whereof I affix my signature in presence of two witnesses.

KEROS L. COMES.

Witnesses:

GRANVILLE WHITTLESEY,  
SAMUEL TWEEDY.