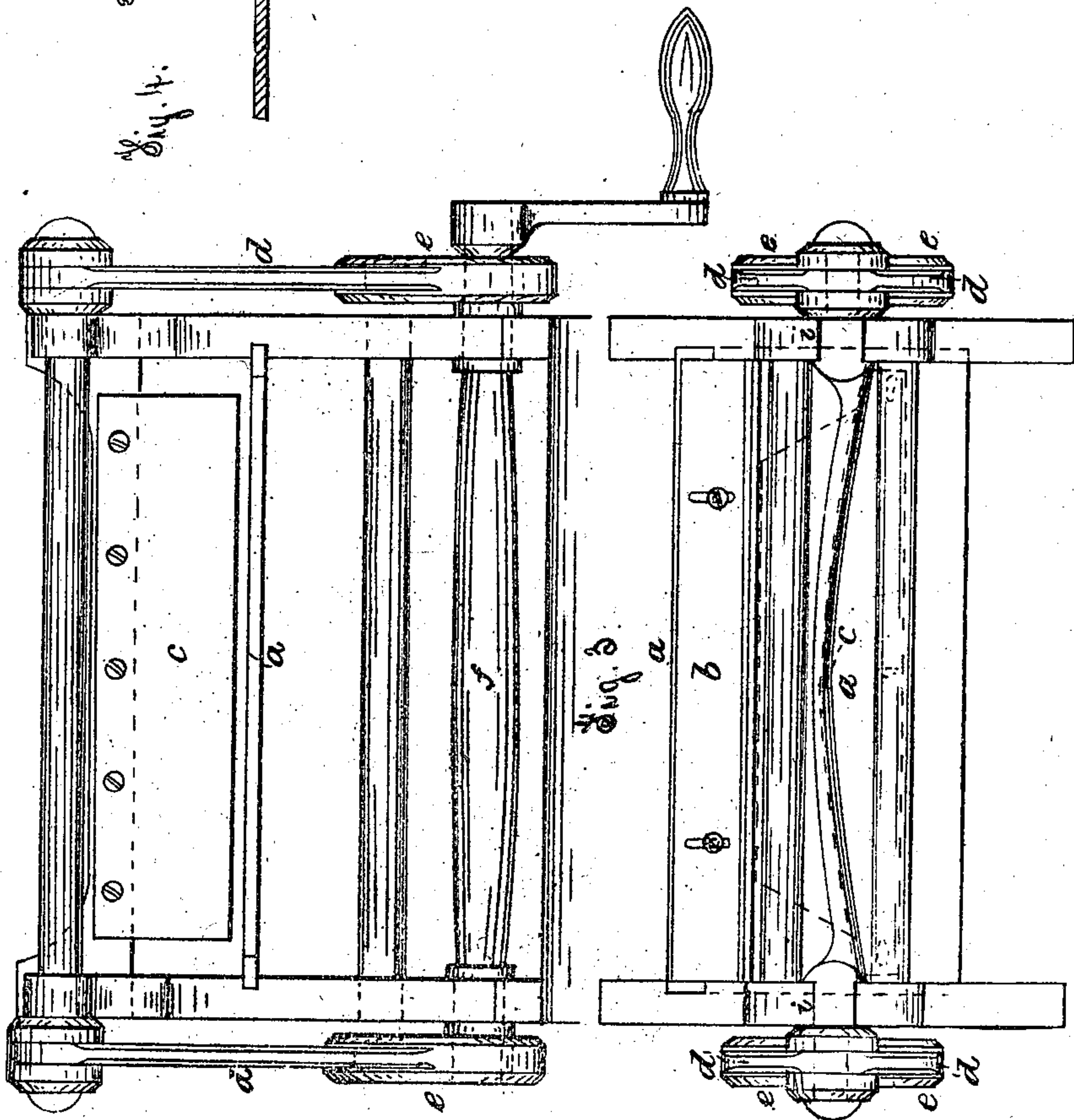
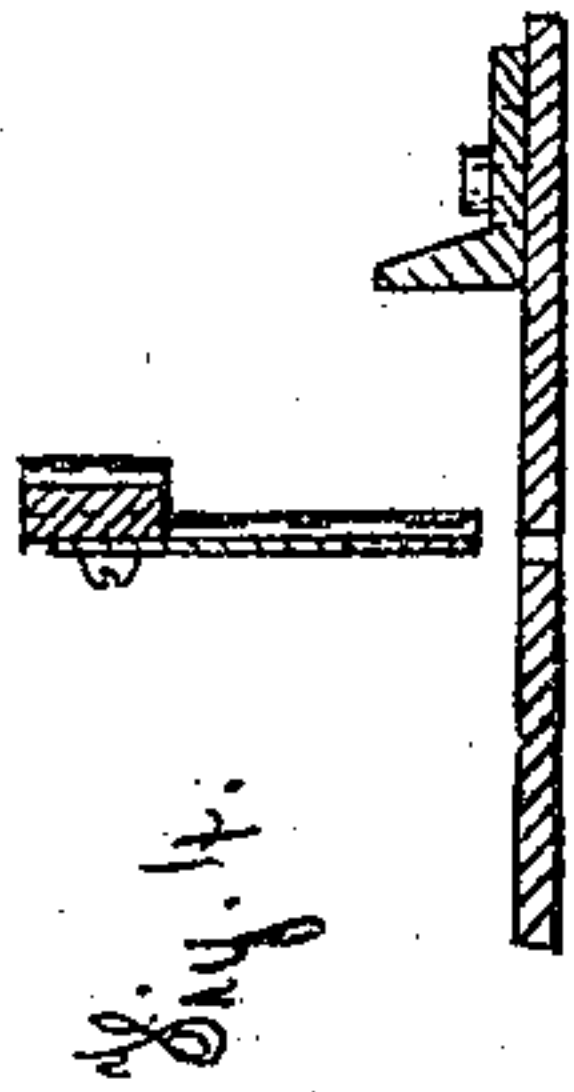
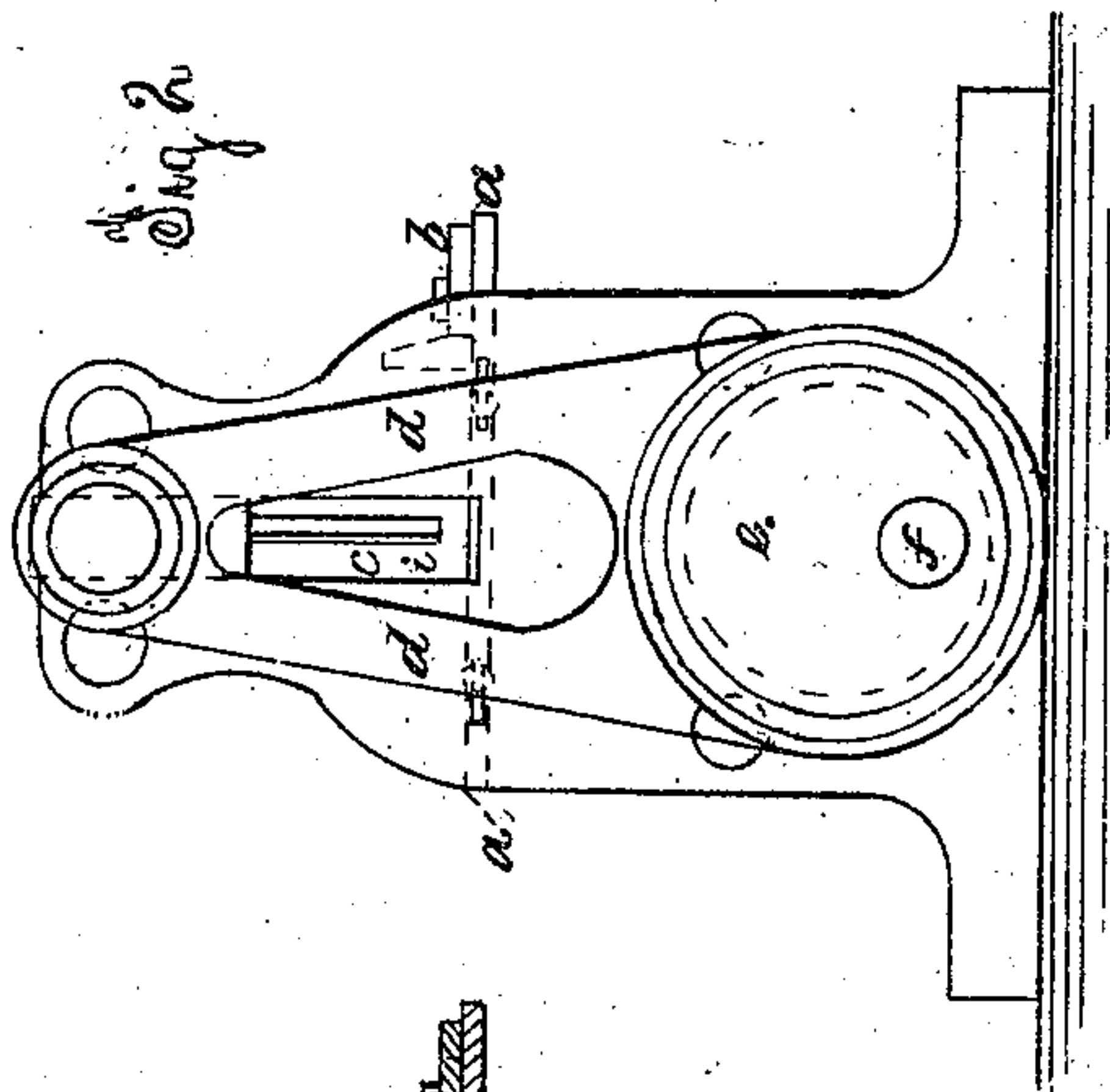


*J. H. Darlington,
Collar Machine.*

No. 43737.

Patented Aug. 2, 1864.



J. H. Darlington

Witness.

Lemuel W. Perrell

Chas. W. Harned

UNITED STATES PATENT OFFICE.

J. H. DARLINGTON, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF, H. B. TAINTER, AND F. D. JACKSON, OF SAME PLACE.

IMPROVEMENT IN FOLDING PAPER COLLARS.

Specification forming part of Letters Patent No. 43,737, dated August 2, 1864.

To all whom it may concern:

Be it known that I, J. H. DARLINGTON, of the city and State of New York, have invented, made, and applied to use a certain new and useful Improvement in Means for Making Paper Collars; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, wherein—

Figure 1 is a side elevation of my apparatus. Fig. 2 is an end view of the same, and Fig. 3 is a plan of the same.

Similar marks of reference denote the same parts.

My invention relates to that class of paper collars that are turned over or folded longitudinally. This folding operation has usually been done by hand, which is unreliable, as the collar may be folded wider at one place than another. Dies in which the collar receives a shape have also been employed, but they operate quite slowly.

The nature of my said invention consists in a vibrating folder, combined with a slotted bed, said folder, carrying the collar through the slot in the bed and giving to it a crease at the points where the fold is required, so as to make the same perfectly uniform, and that crease may be either straight or on a curved line. If the latter, the outer part of the collar will stand at a little distance from the band, so as to allow for the introduction of a cravat.

In the drawings, *a* is a bed, in which is a slot or mortise, either straight or curved. *b* is a gage to receive the edge of the paper collar, and said gage is adjustable, so as to vary

the width of the turned over or outer part of the collar, as desired. *c* is a folder, having a reciprocating movement communicated to it by the eccentric-rods *d* and eccentrics *e* on the shaft *f*, or by any other suitable means. The folder is guided in slides *i* or other supports, so that it can be pressed down and pass through the slots in *a* a sufficient distance to carry the collar directly through said slot. The edges of this slot in *a* are sufficiently rounded, as seen in Fig. 4, to prevent cutting or creasing the collar, and there is sufficient width in the slots for the collar to pass; hence this apparatus only gives a definite, but not very sharp, fold to the collar, sufficient to determine accurately the point at which the fold will form when the collar is pressed or creased more closely at the folding-point, either by hand or otherwise. As before remarked, if this folder is straight, the outer part of the collar will set closely to the band; but if it is curved upward, as illustrated by the shape of collar shown in red lines in Fig. 3, there will be a slight space left between the collar and band for the introduction of a cravat.

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

Folding paper collars by means of a folder or blade that carries the collar through a slot or mortise in a bed, substantially as specified.

In witness whereof I have hereunto set my signature this 30th day of May, A. D. 1864.

J. H. DARLINGTON.

Witnesses:

LEMUEL W. SERRELL,
THOS. GEO. HAROLD.