

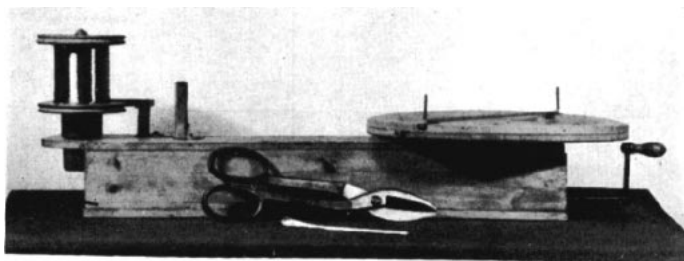
Plain Ligature Making Simplified

GLENN H. WHITSON, D.D.S.
Brooklyn, New York

THE PURPOSE of this device is to fabricate plain ligatures directly from the large spool of wire supplied by the manufacturer.

It consists of:

1. A spindle which holds the spool and a brake which governs the speed of rotation.
2. An eyelet in a vertical rod, through which the wire passes.
3. A revolving circular platform, motivated by a crank connected by a bevel gear to this platform. On the upper surface of the platform are two posts thirteen inches apart.



The actual operation is extremely simple. Wire from the spool is threaded through the eyelet and a turn or two taken around one of the posts on the platform. The hand crank is then turned and the platform revolves, winding the wire from post to post, until about fifty strands of wire are in the bundle. The wire is then cut close to the spool, this excess wire wound around the bundle, to hold the strands firmly, as it lies from post to post on the platform. The bundle is then cut midway between the two posts using the heavy tin snips shown in the illustration, thus making two bundles of plain ligatures of equal length. In the foreground is shown a bundle of plain ligatures. Each ligature wire is 13 inches long and bent in the middle, ready to engage a wing of the tie-bracket.

80 Hanson Place