

acted upon by the force of the vice, is compelled to assume the form of the curve of the tongue, and the artery is constricted in such a way that its internal and middle coats give way, but the external coat is preserved intact. The several internal and middle coats contract, retract, curl upon themselves, and are driven down the artery in the form of a plug by the continued pressure of the grooved tongue as it passes on into its sheath. The artery may now be slipped out of the instrument, and it will be found that the external point has been compressed at the point where it was in contact with the instrument, and the internal and middle coats will be found severed and invaginated on either side of the constriction. This invagination of the internal and middle coats is of itself sufficient to arrest the flow of blood; and as soon as the current of blood is arrested in the vessel, a coagulum forms upon the invaginated surface of the internal and middle coats, and this completes the occlusion of the artery.

The application of the constrictor is very simple. The artery is to be caught up by a tenaculum or a pair of forceps (which answers better) and the tongue of the constrictor placed around the vessel; the tongue is then drawn tightly upon the artery by means of the vice arrangement at the upper end of the instrument. As soon as the screw turns with a considerable degree of resistance, or the internal and middle coats are seen to be invaginated, by noticing their movements in the end of the artery, the instrument is to be detached from the artery and the operation is completed.

In large arteries the tongue of the constrictor must be drawn into the sheath further than is necessary for small arteries. This is the one point which it is necessary to attend to in the closure of large arteries, there can be no harm done to the vessel by being drawn well into the tube, and a thorough invagination secured. The invagination of the internal and middle coats may be made as thorough as it is desired, by drawing the artery into the tube as far as needed to effect the object. Some of the instruments have been made with stops, to indicate when a proper invagination was reached, but by further experience it was found that the touch was the best guide for the operator. By a continued traction upon the external coat of an artery, after the invagination is once commenced, the internal and middle coats