

4. Rules 1, 2, 3, 4, 5.—While the proper extension of the proximate surface is being made with a good sized inverted cone bur, the seat is also being formed, care being taken not to go too close to the pulp. S. S. White makes a new inverted cone bur, without the very sharp corner, which is very useful for this purpose. The seat formed, a smaller inverted cone bur is carried well into the cervico-linguo-axial corner and cervico-bucco-axial corner and then raised occlusally almost to the step in most cases. Small chisels and obtuse angle axe-excavators may serve same purpose. The step should be formed with an inverted cone bur held parallel with long axis of the tooth. The width and depth of the step being governed by the shape of the tooth. The sides of the bur will give form to the walls. The widest part of the step bucco-lingually must be the farthest from the proximate cavity to give it a dovetail form. In distal cavities and lower teeth, the right angle will have to be used very largely.

5. Bevel buccal and lingual walls with a disk, about 20 to 30 degrees. The margin of the step most remote from the proximate cavity should be bevelled with a bur. The gingival margin should be very slightly bevelled. Black's or Darby & Perry's contra angle chisels will reach this margin better than anything else. The dental enamel margin may be rounded with a bur.

In the preparation of this paper and the models I wish to acknowledge the very valuable assistance of Dr. Willmott and Mr. Morrow.

Authors consulted, Drs. Willmott, Black, Johnson, Harper, Ottolengui, Weeks and Hunt.

---

## THE HIGHER MISSION OF DENTISTRY.\*

---

BY DR. MARK G. McELHINNEY, OTTAWA.

---

This is a practical age—an age that is greatly given to asking the question, How much is there in it? The commercial standard is the supreme test of value. Ideal considerations are at a discount, if not wholly lost sight of. Professional success is measured by shekels, mental development and skill in dollars. It is my intention to make an effort to call your notice to something higher, something nobler, something more befitting the highest animal, man, whose greatest ornament is mind. Not for a moment should the true value of wealth be depreciated; not for a moment should its great necessity and usefulness be belittled; but there is some-

---

\* Read at meeting of Ontario Dental Society, Toronto, February 15th, 1899.