

THE
CANADA JOURNAL
OF
DENTAL SCIENCE.

Vol. II.]

AUGUST,

[No. 12.

ORIGINAL COMMUNICATIONS.

EDITORIAL NOTES ON PRACTICAL SUBJECTS.

EXPLOSION OF A VULCANIZER.

BY W- GEO. BEERS.

My neighbor, Mr. C. Brewster, sent in for me on the 22nd of last month, to see the result of the explosion of a vulcanizer, which had just occurred in his laboratory. The scene was one of chaos.

The vulcanizer was a Whitney, No. —, for two flasks, and had been in use for about seven years. The brass top with thermometer attached, was blown straight up through the ceiling, a distance of twelve feet, making a round hole as clean as if cut with a sharp knife. The copper boiler was thrown into a corner to the left, and would no doubt have gone further but for the impediment of a hard partition. A flask containing an upper case of gum teeth was lying under the work-bench, about eight feet to the right from the place where the vulcanizer had been. The following simple diagram will explain exactly the flight $\begin{matrix} \text{A} \\ \nearrow \\ \text{B} \end{matrix}$ A being the direction upwards taken by the brass top, B the direction taken by the boiler, and C by the flask. The centre of the brass top was raised about the eighth of an inch; the thermometer guard was twisted into a spiral form and forced partly off the screw. The boiler had several large dinges, and one in particular in which might be placed a large walnut: was cracked in several places around the screw, and a deep groove cut on the inside, as if by collision by some hard substance, or by the jamming of the flask