

# THE CANADIAN MANUFACTURER

## And Industrial World.

VOL. I.

TORONTO, ONT. FEB. 3, 1882.

No. 3.

### GRADUAL REDUCTION FLOUR MAKING.

That rolls are a success—that roller mills are a success—that gradual reduction of wheat or middlings by means of rollers is a success—and that for any purpose of flour-making rollers are better than stones—are all acknowledged facts and the time is past when argument is necessary to convince any intelligent miller of the truth of the same.

The demand for a complete machine for mills of 100 to 125 barrels capacity, has brought forward Gray's Patent Noiseless Gradual Reduction Machine, of which the subjoined cut gives a perfect illustration.

These compact machines supply a want which has long been felt by the smaller millers, and are finding rapid sale. By the use of these machines, and at a comparatively light expense, the *small mills can be placed on a par with the larger mills*, as to *quality and amount of flour produced*. The clean-up from these machines is perfect, and large per centages of middlings made with but little flour in the breaks.

There are *two reductions and two separations in one machine*.

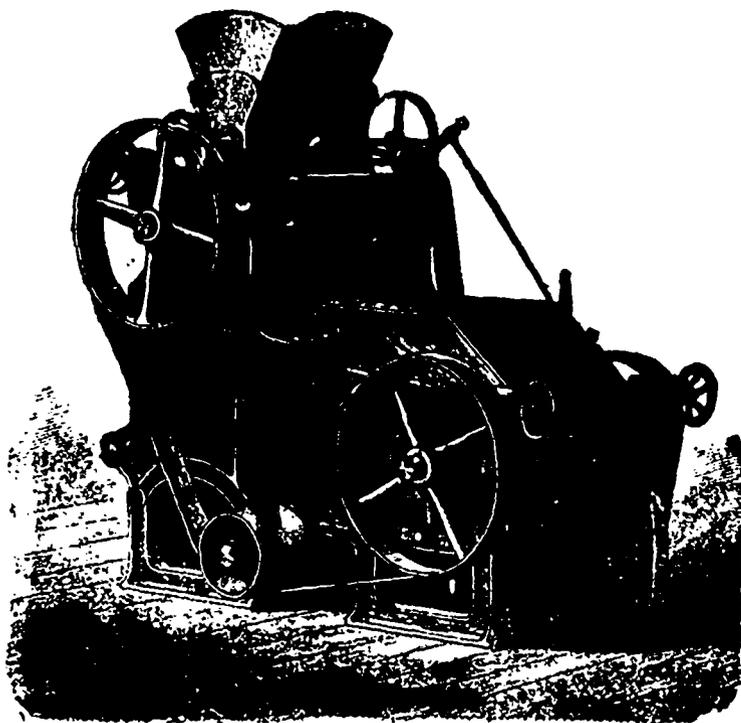
The separations being made by sieves instead of reels, prevents all scouring of the *chop*, and makes a superior *break flour*.

In addition to the completeness of the machine, it also embraces the renowned *Gray Belt Drive and Adjustments*, which have made the machine famous. A great saving of *Scalping Reels* and elevators is effected by the use of these machines.

The manufacturers use in these machines either *Cutting or Non-Cutting Rolls*, or both combined. Two of these, with

9 x 18 rolls, will make four reductions and separations, and clean the bran, for 100 barrels of flour per day.

The manufacturers, Messrs. Miller Bros. and Mitchell, of Montreal, Que., will be pleased to furnish full particulars, estimates, and prices on application. Messrs. M. Bro. & M. are also sole licensees and manufacturers for Gray's Patent Noiseless Roller Mill, with corrugated and smooth chilled Iron Rolls, and Wegman's Patent Improved Porcelain Rolls



GRAY'S PATENT NOISELESS GRADUAL REDUCTION MACHINE.

### THE BEST INJECTOR.

The special attention of manufacturers, mill-owners, and other parties using steam, is called to the great economy of using injectors as a means of supplying water to steam boilers.

Heretofore their great value has not been recognized or appreciated, probably because the principle of their action was not generally understood, or because those hitherto in use had not reached the perfection which this Injector offers to the public. Indeed, the time is rapidly coming when a boiler will not be considered complete without them.

In most cases these Injectors may take the

place of the steam pump to great advantage, and even where the latter is now set up and in use, it would be a matter of economy to apply one of the former also to the boiler, for the following, among many other reasons equally pertinent that might be given.

The best of pumps will sometimes get out of order, others frequently, in which case much valuable time is lost while making repairs. Here is a comparatively inexpensive machine, that, under such circumstances, is always in order and ready