liery, where it may be remembered, in March, should be opened; this is seldom done. There is 1847, an explosion of fire-damp caused the loss of no pure air admitted for six months, except when Darley Main."

ment might have prevented the casualty. Had a stitutions and circumstances, to different ages and lighted candle been let down into the well, the conditions; the choice and preparation of food; light would have been extinguished, which would the care of children; cleanliness exercise, &c. have been a warning that the air was too impure to support life; for when a candle will rot burn, animal life cannot subsist. A few pails of water thrown into the well, or boughs of a free with the leaves on let down and drawn up a few times, highly ingenious machine, to which he gives the above would expel most of the gas, and render it safe to would expel most of the gas, and render it safe to name. It is for the purpose of taking the bran as it descend. In the other case, a knowledge of the comes from the bolt and cleaning it of the flour which

But from many other causes, where life is not in immediate danger, the health is gradually but easily undermined. One almost universal source spring? A lady, an acquaintance of mine, never of this current of air and the revolving of the mechanism, complains of poor health in the autumn, but does invariably in the spring. While there may be some other circumstances leading to this result, and the fine passes down into the healt. A hornor again, and the fine passes down into the healt. who can doubt that want of ventilation of our stantly raps on the top of the rev dwellings is the prime cause? From November them clear from being clogged up. till April the window is not thrown up, or if it be, the door is shut, thus preventing a free ventilation invention; it is simple, yet accurate in all its move-of air through the room. To secure perfect ven-ments, and seems admirably adapted to the use for

no less than seventy-three lives; and about two through the kind consideration of the builders, years since, a similar accident occurred at the openings are left around the windows—a not unfrequent occurrence. But the advantage which Here carelessness or ignorance in the manufac- nature would take of this oversight of the artist, is ture of a penny-worth of wire, led in these two prevented by the vigilance of the honsekeeper, instances to the sacrifice of 151 lives, which a who with knife and listing effectually secures little attention to the structure of the safety-lamp would have prevented.

Similar accidents often occur by descending fully kept room, completes the work of destruction wells, or entering caverns, in which carbonic acid. Let any one examine a room when the sun gas, being heavier than the air, often settles. This shines brightly into the window, or try the experigas' immediately destroys life. We sometimes ment of writing his name on any article of furnimeet with statements like the following, taken ture ten minutes after the dusting of the room, and from a late paper:-" Death of two men from he will be astonished at the number of the parentering a well. On Wednesday last, two men ticles of the carpet, feathers, &c., taken at every were killed by entering a well for the purpose of breath into his lungs. The same is true of many cleaning it. One man had descended to within a churches. As if the very air in them was consefew feet of the bottom, when he suddenly fell. A crated, it is carefully kept from year to year, and second man immediately went down to his assist- from generation to generation, with all the accuance supposing some accident had happened, but mulated impurities arising from lamps, candles,

taken out, life was extinct." Another—

"Death of two young ladies. Two young ladies, of the name of Grant, one about eighteen and the other twenty, were found this morning, one dead, and the other too far gone to be restored. The night being cold, a kettle of coals was placed. But time would fail to multiply the instances in their bedroom, which was doubtless the cause which would occur in every-day life, where of the fatal accident." In both cases, carbonic acid gas was the fatal and accident prevented; as in a lopting clothing strument of death. In the first, a simple experi- to the various seasons of the year, to different con-In both cases, caroome actuated as the case of the various seasons of the year, to different ages and instrument of death. In the first, a simple experi-to the various seasons of the year, to different ages and stitutions and circumstances, to different ages and the case of the proportion of food:

To be continued.

NEW CLEANSER FOR FLOURING MILLS.—Mr. E. R. Benton, a millwright of Milwaukie, has invented a fact, that in combustion, whether of candles, adheres to it, and which, without the adoption of some lamps, wood or coal, this same destructive gas is such process, is wasted, and also for separating bran and given off, would have been a sufficient caution shorts. The machine is in the form of an upright against burning any quantity of coals in the open cylinder, about four feet high and two feet across, within which are two revolving cylinders curiously fitted up with wire cloths of various fineness, perforated sheetiron plates, &c. &c.

The bran is brought by an elevator to the top of the cylinder and passes through a shaking sieve, which of shortening human life, is the impure air of our throws out the large lumps, that might clog the madwellings. How often does it occur, that those chine, down among the revolving cylinders. A current who enter upon the winter in good health, or not of air is driven up from beneath into the centre of the very poor health, are sickly, or die in the cylinder inside the revolving part, and by the operation and the fine passes down into the bolt. A hammer constantly raps on the top of the revolving sieves to keep

We can give but an imperfect idea of this ingenious tilation, the top as well as the bottom of the window which it is designed. Three other machines for a