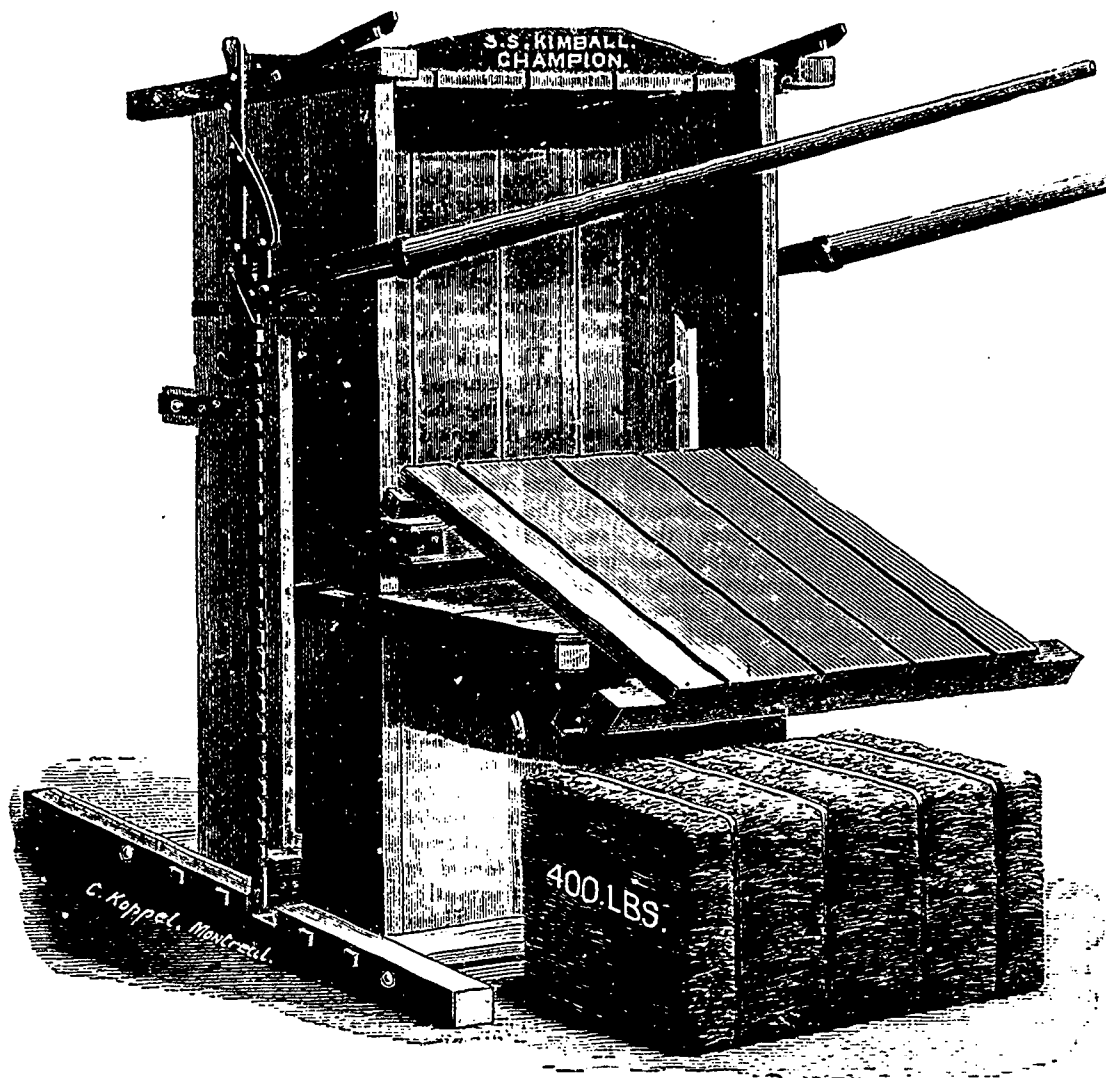


NON-OFFICIAL PART.



A NEW PRESS.

We do not mean a rinting press, but a new apparatus for baling up wool, hay, rags or other material requiring to be packed for shipment or convenient storage. There are several classes of presses of this kind on the market, each having their own style of construction and method of working. The principle of the one here illustrated, which has just been placed on the market, is sufficiently striking to make some special notice of interest to the many in the textile trades who require such appliances. The manufacturer, Mr. S. S. Kimball, of Montreal, is the inventor of the most successful pump and stone lifting machine ever made, being the lightest, simplest in construction, cheapest, and of its class, the strongest of all in the market. It is now being sold in all part of Canada and many are shipped to England and Scotland. Being thrown a great deal among farmers and produce dealer, and knowing the expensive character and clumsiness of most of these presses, Mr. Kimball turned his practical mind to the subject and decided that the power used so successfully in the "Champion Stump Puller" could be applied just as successfully to a wool and hay press, and the result is the "Champion" press. The power is applied by twin levers, as shown in the cut, each lever working a ratcheted bar, made of a peculiar kind of steel specially suited to bear a tension of this kind. The base of the lever, working in to the notches of the bar, lifts it up and it is secured at each step by a strong steel clevis which falls by its own gravity into each notch, the clamp holding the bar as it is raised. The lower ends of

the bars are attached to the end of a beam, which supports the floor of the press box and works upward in a slot in each side of the box, so that the contents of the box can be squeezed into one fifth, or less, of their original space. When the wool or hay is put in, the moveable side, which appears opened down in the engraving, is fastened in place by the clamps at the top, and is taken out when the bale is made up, which is done by running the bands between the planks of the box, these planks being placed about an inch apart for that purpose. Any kind of ties can be thus used, such as hoops, wire, withes and splints. There are three sizes made, the weight of the smallest being 600 lbs., and depth of box 6 ft., while the largest has a depth of box of 7 ft., giving a bale 4 ft long and 26 inches in height and width, the weight of the press being 800 lbs. The price of the smallest is \$125, of the middle size \$150, and the largest \$175. When it is known that most other styles of press range from \$300 to \$1,000, it will be seen that the "Champion" has the advantage in economy, and when it is known that many others weigh from a ton up it will be noted that it has the advantage in lightness, while a pressure of 40 tons can be exerted on the smallest size of the "Champion." Most others take from half a day to a day in putting up, while this has been erected and started to work within 25 minutes, and can be worked by one man power, so that it will also be seen that it has the advantage in convenience. Two men working can press 4 to 6 tons of hay, and a proportionate quantity of wool or rags, and the manufacturer, who we believe, guarantees his implement, is in receipt of high compliments from the first purchasers of the presses.