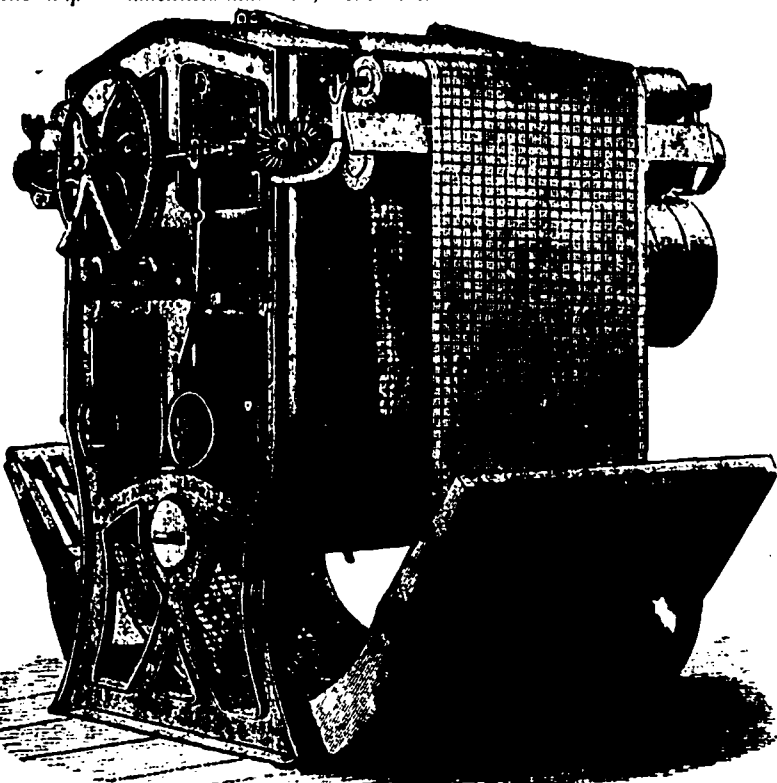


**IMPROVED DOUBLE-ACTING ROTARY GIG.**

The illustration represents H. W. Karch's Improved Double-Acting Rotary Gig. It is built in a thorough and substantial manner. Heavy iron frames, large shafting, wide-faced pulleys, and has two driving belts—straight and cross—so that can be reversed without changing the goods. The draw rollers are driven by a system of bevel gears, so arranged that the goods can be run with or against the cylinder, and be kept perfectly straight and free from wrinkles with little attention on part of the operator. The contacts of the cloth with the gig cylinder can be increased, and the tension increased or diminished to a nicety, allowing more and a different kind of work, while the nap is more thoroughly raised. By this method of construction the cylinder is completely enclosed, so that the operator may examine the cloth, and at the same time be protected from all flocks or flyings, or from any dust that may arise by the action of the teasels upon the cloth, a most objectionable feature in all gigs heretofore made. The cylinder vibrates rapidly, making it impossible to leave streaks. The cloth is run continually onward, or reversed at the same time, if desired, and is brought in contact with the teasels in two places in passing over the cylinder. It requires less attention than an up and down gig, and is so constructed that the slats can be changed rapidly. It takes no more floor space than an ordinary gig. It needs only to be seen in operation to be appreciated. Advantages claimed are:—

1. Throwing no flocks or dust, no need of the operator wearing a sponge.
2. The cloth traverses through the machine with its right side outward, so that it is always in view of the operator, allowing more rapid, easier, and more accurate gigging.
3. The contact of the cloth with the cylinder can be increased and the tension increased or diminished to a nicety, allowing more and a different kind of work, while the nap is more thoroughly raised.
4. The goods can be run with or against the cylinder.
5. Can be used as an up and down gig if desired.

6. Requires less attention than any other gig made.
7. Less dangerous to the operator than any other gigs. No belts to slip.
8. Gears are enclosed and will not clog up with flocks. These machines made any width desired.

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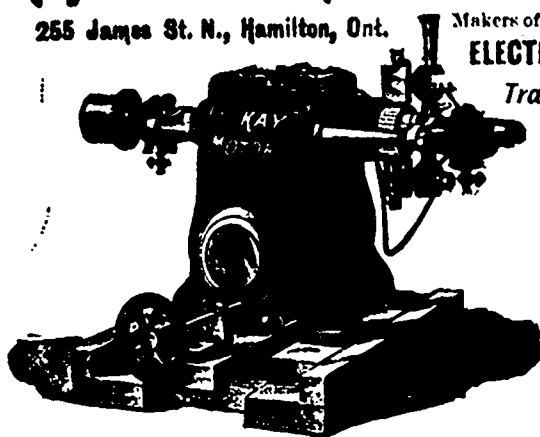
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