

New Machines And Gadgets

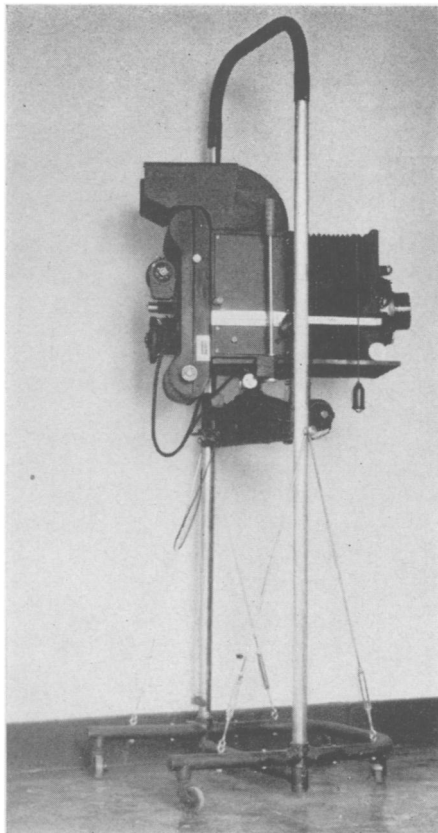
Novel Things for Better Living

Fluorescence, arc, and incandescence, the three modes of illumination used today, are all combined in a single three-in-one lamp recently patented. The yellow light of the filament and the blue of the mercury arc are complementary, the inventor explains, and combine to give a more desirable quality. Meanwhile, the mercury arc also gives off ultraviolet or black light. Why waste this? Of course not! So, the upper half of the bulb is coated on the inside with a fluorescent material, and to make still more sure that nothing is wasted it is coated on the outside with a reflecting material that turns back any rays that might be escaping skyward.

Dry shaving will no longer be accompanied with a shower of clippings that get all over your clothes and elsewhere if you make use of a recently patented clipper that catches and retains the hairs until you find it convenient to dump them. The device is in this case not an attachment, but a built-in feature that scarcely changes the size or appearance of the clipper. It consists of two little receptacles on either side that catch the hairs which pass out at the ends of the cutters. The covers of these receptacles open outward for dumping.

Don't count your carrots until you have provided yourself with a machine recently patented that will do the job for you. Not only will this machine count your carrots with unflinching accuracy, but it will separate them into groups of a predetermined number, ready to package and ship to the market.

A camera, fully electrical in operation, would seem to be about the last word in camera completeness. Such a camera is shown in the illustration. The shutter is operated by a bulb which



closes an electrical contact so that it can be used at any distance without loss of efficiency. After an exposure, the shutter is electrically reset and the film moved. Pictures can be taken in rapid succession and double exposures are impossible. Different sized pictures can be taken on the same roll without loss of film. Although a studio camera, it is light in weight and easily transported.

Freezing rivets instead of heating them to make them soft for driving seems odd. Yet that is precisely what is done with a special kind of aluminum rivet for airplane construction. These rivets during manufacture are heat-treated in a special way that makes them become soft when chilled. Then they are "quick frozen" by packing in dry ice, where they must be kept until driven. Once they warm up and become hard, they stay hard.

Accordion pleated tubes have now been invented to replace the scarce collapsible tin tubes. They can be made of any material which will take the accordion pleats, provided it is impervious to the paste within. The new kind of tube has one advantage over your old toothpaste tube; in whatever stage of collapse it may be, it can always stand upright on its circular base. This base projects inward, like the bottom of a bottle, so as to substantially fill the space in the tube when the latter is completely collapsed, thus preventing much waste of paste.

If you want more information on the new things described here, send a three-cent stamp to SCIENCE NEWS LETTER, 1719 N St., N. W., Washington, D. C., and ask for Gadget Bulletin 102.



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