

Work Dangers and Solutions

This is a chapter from the forthcoming book by the Hesperian Foundation, A Factory Workers' Guide to Organizing for Safe Jobs and Healthy Communities. We welcome your comments and suggestions for improving this draft. Please contact us at:

Hesperian Foundation 1919 Addison St., Suite 304 Berkeley, California 94704 USA tel: 1-510-845-1447, fax: 1-510-845-9141 email: workersbook@hesperian.org

Copyright © 2006 by the Hesperian Foundation

The Hesperian Foundation encourages others to copy, reproduce, or adapt to meet local needs any or all of this material, provided that what is reproduced is distributed free or at cost—not for profit. Please contact the Hesperian Foundation before beginning any reproduction, adaptation, or translation to avoid duplication of efforts and to make sure you are working with the most recent, updated version of these materials.

Work Dangers Draft — February 2006

This chapter has information about the health dangers of working in garment, shoe, electronics assembly, auto parts and toy factories. These factories make very different products, but workers in all these industries do similar jobs, use some of the same tools, and face many of the same dangers. For example, workers sew materials together to make shoes, clothes, hats, toys, and seat covers for cars. Workers also mold plastic and foam to make many kinds of toys, auto parts, electronics, and shoes.

Each work danger can harm people doing different jobs in different industries. For example, strain and overuse injuries are a danger to any worker who uses her hands to cut, sew, pinch, press, push, pull, or twist any kind of material. Some dangers, such as noise or lack of water and toilets, often affect all workers in one factory. Other dangers, like exposure to chemicals, harm workers doing certain jobs more than workers doing other jobs in the same factory.



Workers doing different jobs face similar dangers.

On pages 4 to 21, we show examples of jobs and work dangers at each stage of the manufacturing process. On pages 24 to 159, we describe each type of danger and suggest ways you or your employer can remove or reduce the dangers.

The drawings in this chapter may not show the exact equipment you use. There are too many different jobs and machines to show solutions for each one. Instead, we show different types of dangers and give examples of some solutions. You can decide what information is useful, what is not useful, and which ideas can be changed to make them more useful in your factory.

Content

What workers in export factories produce
Where to look for dangers at work
Warehouse and material handling
Making the product
Preparing raw materials
Forming materials before assembly 8
Bonding materials together 10
Coating parts, fabric, or the final product
Assembling the product
Finishing and cleaning
Testing and inspecting
Packaging
Maintaining and repairing tools, machines, and work areas
Make work safe by getting rid of dangers
Strain and overuse injuries
Chemicals
Ventilation for fresh, clean air
Dust
Heat and cold
Fire and evacuation
Electrical safety
Machine safety
Burns from hot materials
Overcrowding
Noise
Light
Water and toilets
Eating and resting
Falls and falling objects
Vehicle injuries
Health effects of chemicals