

The following examination questions will indicate the character of the work in this department :—

Mechanics.—Does water have any more lifting effect on wood than on stone ? Why ? How could you tell whether there was much metal (iron, etc.) in a specimen of ore ? Why are fisheries always found on “banks” ?

Light.—How would you measure the candle power of a light ? (two methods). How is light bought and sold ? Could a photograph be taken through a key-hole of a door ? How is it possible to see around a corner ? Explain the popular fallacy “that the sun draws water.” The eye is a lens ; are the pictures on the retina erect or inverted ? Is water as deep as it looks, or deeper ?

A BUSY LITTLE WORLD.

“Just as far as possible Hampton is made a miniature world, where the young people learn to deal with problems similar to those that they will meet later in the outside world.” Thus writes Principal Frizell in his annual report. He adds that supplemental work in the



The Shoe Shop.

various trades has been made more and more a part of each boy's course. This year's finishing class in carpentry has taken for half the year one half day each at bricklaying, painting and tin-smithing, four hours at wood turning, and 6 hours at designing small houses and estimating the material for them. The balance of the time each week has been spent at the carpenter's bench. Two of the carpenters built an oak screen, 13 feet long by 17 feet high, which was sent to the Pan American Exposition.