

# NEWS

## BUILDS FRAME COTTAGE COMPLETE IN 12 HOURS

### Contractor Proves in Practical Manner Value of System in Carpenter's Trade—Breaks All Known Records for Speed in Construction Work.

Contrary to all precedent, and in spite of the scoffs, jeers and derision of his fellow contractors, William C. Carl, a New Yorker, has succeeded in building a \$2,000 cottage, complete in every detail, ready for the occupancy of tenants, within the space of 12 hours. And to make the accomplishment all the more noteworthy the owner moved into the house and was comfortably installed before the thirteenth hour of the same day had ended.

The tedious process of house building, by which weeks and months used to be consumed before the fretting owner could move into his new abode, has now been bridged to the space between the rising and setting of the sun. According to the number of contractors who watched with absorption Carl's structure rise like a mushroom, it will be no more than a matter of time before a new house one day and move into it the next, and if matters are in an unusual rush he may occupy it before the sunset of the same day.

"Houses built while you wait," is the startling new sign now added to the list of many trades, necessitated by an age parsimonious of its time.

**Suggested by Newspapers.**  
The idea of building a house in a day was suggested to Carl by the newspapers, which had habitually written, typed and printed in a few hours enough matter to fill several novels. He decided to try to complete a job, why, he asked himself, could the newspapers not do the same thing in a space during which the progress accomplished in his trade was all but imperceptible?

He decided that lack of organized system rendered building so long drawn out, and determined to learn by experiment what could be effected in the erection of houses by adopting the methods successful in producing big dailies.

When the contractor announced that, for the first time in the history of construction, he would build a four-room cottage, wire and pipe it, lay the plaster and weatherboard the walls, install hot water and gas, and provide windows and doors and inside woodwork and mantels, all in the space of 12 hours, he was greeted with many scoffs.

"You will have to employ so many workmen," he was warned, "that they will not be able to move for being in one another's way."

"Not at all," he replied, "for I shall direct them according to a system." On the afternoon before which the experiment was to be made, all the material was deposited in pursuance of directions, on the site of the proposed house. Bricks, lumber, all the plumbing kinds, concrete blocks, cement and bathroom fixtures were scattered about pell-mell, it seemed to an observer, in a confused order, according to the builder's plans.

**Working by System.**  
At 7 a. m. Carl marshalled his 75 workmen into groups by trades and assigned to each one for each handiwork, were distributed to the foreman. As the clock struck 7, each group marched briskly to its assigned place. First went the plumbers, with spades and picks and pipe. Stewart blows opened the tough soil of the abber, and variety cursed as "black gumbo." A trenching machine was tried, but the hard ground heated its blades red hot. Manual tools had to be relied on, and by each digger stood a bucket of water, in which to cool his spade.

While pipe connections were being made for water and gas, another band of trenchers swiftly laid out the lines of the foundations and excavated the basement. Bricks and concrete blocks were laid and their helpers were rapidly laying course after course of the foundation of concrete blocks.

In one hour and a half both these tasks were finished, and room was now made for the 25 carpenters. These, in the meanwhile had not been idle. The studs and joists which were to support the structure were measured and cut and brick masons coated each piece with quick-drying pigment.

At a signal, the carpenters swarmed upon the foundations, and a scene of rapid and purposeful labor followed. The heavy corner posts were raised into place and secured; beams were laid across by pillar to pillar; floor joists fell into place like a file of soldiers drilling, and in a bewilderingly short space the whole framework of the house stood revealed.

**Worked Without Interference.**  
In the center of the house, brick-masons shouted for "more bricks and mortar" as course upon course of a chimney sprang into place under the flying trowels and hands. Deftly avoiding interference with each other, the laborers, directed by their captains, dodged in and out and back and forth, every movement calculated and counted.

Now the carpenters divided into several bands. One encircled the house on the outside, and by their efforts the weatherboarding seemed fairly to fling itself upon the walls. Those inside covered the walls with lath, and the number of dozens of hammers and the screams of protesting saws and lumber resounded for blood.

At the same time another group was laying the floor; still another was building at a distance the roof of a front porch to be borne to its place when finished. The painters were graining and varnishing the inside woodwork before it was carried into the house; masons were shouting as they kneaded great beds of mortar, and a throng of observers stood with open mouths as every minute witnessed some striking development of the structure towards completion.

Everywhere at once seemed the general-in-chief, the brawny, quietly forceful Carl. Here he spurred on the labor, if it was a few seconds behind the careful schedule he had prepared, and there he praised a "bank" of masons who had anticipated the schedule. A quiet suggestion cut several minutes' unnecessary work at one spot; at another the workers were enjoined not to sacrifice thoroughness to haste.

**Forenoon Beats Schedule.**  
At noon, when all work ceased an hour for rest and food, Carl looked about him with unworded satisfaction. He was at least half an hour ahead of his schedule.

The house was half weatherboarded, the lathing of the almost completed rafters of the mansard roof were in place and painted; the brick chimney lowered above, and a few hours more work would have things in readiness for the plasterers, who were to put on the final touch.

As the o'clock whistle blew, all hands ran for their places, each man feeling his personal pride involved in the completion of the house on the schedule time. Carpenters bowed each other as they nipped on the weatherboards; hod-carriers climbing aloft dropped occasional flakes of mortar on the men beneath; and on every side rose cries for lumber, mortar and brick.

Foremost among the workers in zeal was young James Post, Carl's foreman, who hoped to move into the completed house that night with his bride. He had a book of interest and romance to the experiment in building by wedding on the day his home was erected. But he decided his presence would be needed every minute while the structure was being raised, and married several days before.

Pointed out among the spectators who lined the surrounding streets was the sweet-faced bride, who watched the work all day. When her husband was to be photographed with her, he began taking off the carpenter's apron.

"No, leave it on," said she. "I like you better that way." In another hour the outside of the house was completed to the eaves. Carpenters who had been at the window and door in the backyard ran forward carrying completed window and door frames, which were inserted in their places in a trice.

Glaziers now appeared with the windows, ready for installing, and deft hands attached and leveled the wood-frames into their grooves. A few dextrous whirrs of screwdrivers, and the doors swung on their hinges.

On the inside all was now barred with lath. In rushed a band of plumbers to connect the pipes, and the work, which usually takes days, was performed in minutes.

**Painters Finish Work.**  
After these came other carpenters with the wascosts and stainers. Plans were all out and fit and stained like walnut by the painters. Almost before one knew what they were about their task was completed.

Thereupon a group of plasterers, idle heretofore, sprang into life and took possession of the interior. The masonry hodmen dumped load after load of mortar upon big tables, while outside the burly mixers redoubled the grunts with which they stimulated themselves to increased toil.

It seemed that with one sweep of the trowel the plasterers could cover several square yards of lath with mortar. In five minutes by the watch five men plastered the four walls of one room.

The mortar was composed of a material which almost instantly hardened on the walls, and by the time one room was completed another was dry enough for the "second coat," which changed the rough, sandy surface to a coat of white glass. It took an hour to plaster the four rooms, including their ceilings.

While the plasterers labored mightily, a swarm of carpenters overran the roof. It was discovered that the over-hanging rafters which were to support the eaves had been cut an inch too long, and some precious time was expended in correcting the error.

Then, while one "gang" passed up boards, which had been cut and measured on the ground, those above nailed them swiftly upon the rafters. This work completed, great rolls of asbestos preparation were hoisted to the roof to become its rainproof, fireproof covering.

So rapidly was the covering attached that an interesting moving picture could have been made of the scene. When these workers descended with their tools as dusk fell, the outside of the house stood completed.

Inside, the plumbers were again at work, installing the fixtures of the bathroom and connecting them with the water pipes. A van drove up carrying a gas stove, which was borne triumphantly within and connected with the gaspipes.

Electric lights were fastened in their places, and in a few moments the whole cottage was glowing with their mellow radiance. A few minutes of labor with water and brushes and renewed stood ready to welcome its tenants.

**A New Era Possible.**  
Carl had made good his promise. He had made possible a new era in building by erecting a house, finished in every detail, between dawn and dark.

Cheers resounded as the bride and her tall-statured young husband walked arm-in-arm up the stone steps to the front porch, opened the front door and entered their home, and a vacant lot for the first time in its history was again a place of habitation.

What followed is not in the story of the building feat. Neighbors rushed to the water and brush and removed all traces of labor. Furniture vans, with the young people's household goods, arrived, and willing hands bore the furniture within.

A supper, cooked in the new house, was served to a number of friends and relatives. The strength of the structure was proved by the tread of a dance. Mrs. Post wished to spend the night in her home, and her neighbors dissuaded her on account of the damp plaster, which, though perfectly firm, still retained some moisture. So she was compelled to satisfy herself with a housewarming, and took possession the next morning.

The house is a one-story frame cottage, with four rooms, a bathroom, a reception hall, a front porch and a back stoop. The walls were painted light green, with white trimmings. With its foundation of concrete blocks, its pointed roof and excellent proportions, it presents an artistic appearance.



Star Brewery Building, First and Madison Streets.

## PALLAY BUILDING IS RISING RAPIDLY

At Third and Everett streets, the two-story brick building being erected by M. Pallay, is rapidly approaching completion. The lower floor of this building is to be occupied by two stores, a billiard room and saloon, and the upper floor will be arranged for rooms. Less than three months ago, the site where the Pallay structure is now going up was burned over, the old frame buildings being entirely destroyed.

## WILL BUILD FINE BLOCK

Ida M. Church Plans Six-Story Structure at Sixth and Salmon.

## LUMBER PRICES REMAIN FIRM FOR NEW HOMES

Heavy Movement Not Expected Before Next Spring.

## CONTRACTS LET FOR NEW HOMES

Architects and Contractors Are Preparing New Residences All Over City.

Some mills are reported as having advanced the values of lumber during the past week, but on the whole prices are about the same as last Saturday. This is not the time of the year when large orders are looked for from the east and the volume of business from that source, while heavy, is considered very satisfactory.

Architect C. C. Robbins has finished the plans for a three-story apartment house on Couch street, between Ninth and Twentieth streets. The building will have dimensions of 52 by 72, and will cost about \$20,000.

Contractor H. L. Camp & Co. have begun the erection of the following in the Irvington district: A \$4,000, two-story frame on Multnomah street, between East Twentieth and East Twenty-first streets; a \$3,000 dwelling, on the Alameda, between East Fifteenth and East Fifty-first streets, Rose City Park; a \$2,000 cottage on East Twenty-third street, between Knott and Brazeal streets.

Leonard & Thomas are building a modern frame dwelling on East Eighth street, between Stanton and Siskiyou streets.

Architect Joseph Jacobberger has awarded the contract for the new Catholic school of the Church of the Ascension, to be erected in Monmouth.

Mrs. Hughson has commissioned Architect Ernest Kroner to prepare plans for a modern home to cost about \$3,500 and to be erected in Rose City Park.

Mr. Hahn has completed arrangements for the erection of a four-story apartment house at Seventh and Clifton streets. The building is to have dimensions of 47 by 67 feet, will be two-stories high and will cost about \$3,500.

Architect H. C. Ditrich is getting up the design for a modern bungalow on East Fifty-sixth and East Fifty-seventh streets.

Architect I. M. Palmer is getting up designs for four handsome bungalows. The Clark bungalow will contain nine rooms, and the interior will be finished throughout in hardwood. The cost of this building will be close to \$4,000.

The same architect is getting up the design for a three-story frame residence to be erected at East Twenty-second and Thompson streets, at a cost of \$6,500. The entire work will be completed about February 1.

Both flats will be of frame construction, with natural stone porches and very handsome exteriors. The lower flats of the four-series building will have four rooms each, and the upper flats will have three rooms each. The contract for this work has already been let and the entire work will be completed about February 1.

Architect Wrenn has awarded all the contracts for H. S. Chapin's new \$16,000 home to be erected at Wasco and East Sixteenth streets.

## FLATS TO COVER QUARTER BLOCK

Extensive improvements by Benjamin H. Bowman have just begun at East Twelfth and Belmont streets. Mr. Bowman owns a quarter-block on this corner, on which he is building a modern four-series double flat, and will rebuild and modernize a two-story frame dwelling occupying a portion of the block. The total cost of the improvements will amount to something like \$15,000, and will be carried out under the direction of Architect Otto Kiehnman.

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## NEVADA UNIVERSITY IS VERY HARD UP

Reno, Nev., Nov. 14.—The trustees of the Nevada state university are planning to meet the deficit of the institution caused by the failure of the legislature to appropriate current expenses. Even the petty bills of tradesmen are long overdue and there is only enough money in the treasury to pay the salaries of the professors and the operating expenses of the university.

## CONSUMPTION STATISTICS.

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## Notaries Commissioned.

(Salem Bureau of The Journal.)  
Salem, Or., Nov. 14.—Commissions as notaries have been issued to: Dexter Rice, Roseburg; F. S. Bubb, Huntington; Gale S. Hill, Albany; William R. Walton, Salem; A. R. Cyrus, Astoria; H. G. Sibrav, George W. Hazen, J. Silverton, F. T. Johnson, Allan R. Joy and J. C. Bryant, Portland.

## Companies Incorporated.

(Salem Bureau of The Journal.)  
Salem, Or., Nov. 14.—Articles of incorporation have been filed in the office of the secretary of state as follows: The National Adjustment company; principal office, Portland; capital stock, \$10,000; incorporators, H. W. Letcher, E. E. Heckbert and C. R. Goldstein.

## HAWKING MACHINES

Catarrh Sufferers Are Nothing but Hawking, Spitting and Blowing Machines, Says an Expert.

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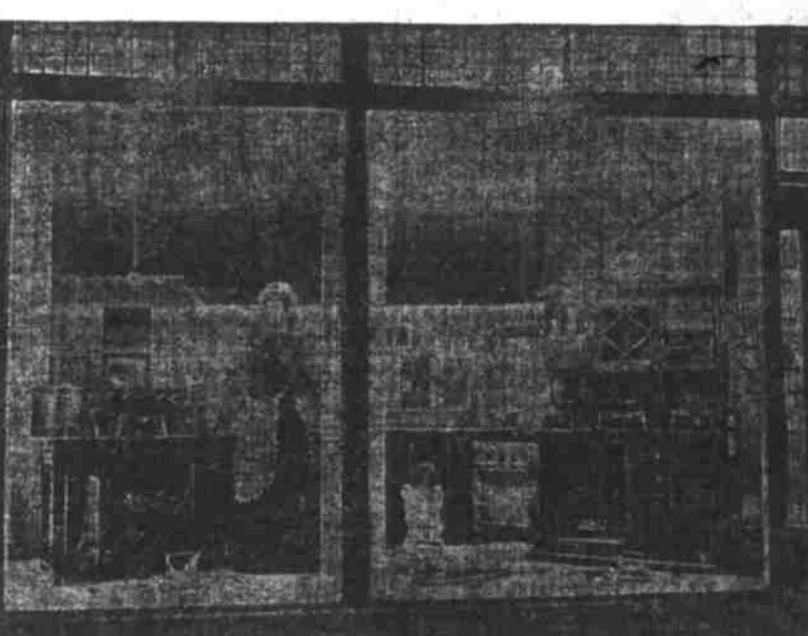
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